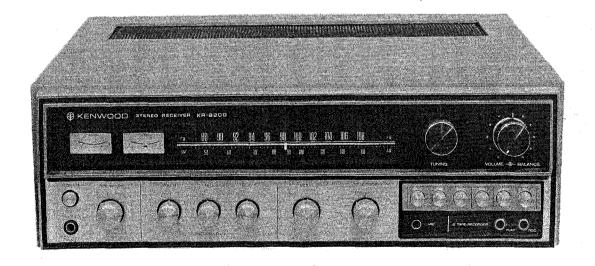


SERVICE WANUAL

KR-6200



STEREO RECEIVER

SPECIFICATIONS

FM TUNER SECTION		Power Band Width (IHF)	13 ∼30,000 Hz
Antenna Impedance	300/75Ω	Input Sensitivity	0.5 1/2 50.1-0
Usable Sensitivity (IHF)	1.7μ∨	PHONO	2.5 mV 50 kΩ
Harmonic Distortion		MIC	3 mV 50 kΩ
(at 400Hz 100% Mod.)		AUX 1	180 mV 50 kΩ
MONO	0.5%	AUX 2	180 mV 50 kΩ
STEREO	0.6%	TAPE PLAY A	180 mV 50 kΩ
Signal to Noise Ratio	66 dB	TAPE PLAY B	180 mV 50 kΩ
Capture Ratio	1.5 dB	Recording Output	
Selectivity (Alt. CH.) (IHF)	65 dB	TAPE REC A	180 mV
Image Rejection	80 dB	TAPE REC B	180 mV
IF Rejection	100 dB	DIN	36 mV
Spurious Signal Rejection	100 dB	Damping Factor (at 8Ω)	50
AM Suppression	70 dB	Hum and Noise	
Stereo Separation (at 1kHz)	40 dB	PHONO	65 dB
(at 10kHz)	25 dB	MIC	55 dB
Sub Carrier Suppression	60 dB	AUX 1	75 dB
Muting Level	10µ∨	AUX 2	75 dB
Quieting Slope	52 dB 5μV	TAPE PLAY A	75 dB
	59 dB 10µ∨	TAPE PLAY B	75 dB
	66 dB 50µV	Speaker Impedance	$4 \sim 16\Omega$
Frequency Response	$20 \sim 15 \text{ kHz} + 0.5 \text{ dB}, -2 \text{ dB},$	Tone Control	
Front End	2 FETs (1 DG), 4 Gang	BASS (at 100Hz)	±12 dB
IF Stage	1 IC, 3 element mechanical	MID (at 1kHz)	±8 dB
	filters	TREBLE (at 10kHz)	±12 dB
		Filter	
AM TUNER SECTION		LOW (at 100Hz)	−7 dB
Antenna	Built in ferrite bar antenna and	HIGH (at 10kHz)	—10 dB
	external antenna terminal.	Loudness Control (-30 dB)	
Usable Sensitivity (IHF)	15µ∨	at 100Hz	+10 dB
Signal to Noise Ratio	45 dB	at 10kHz	+5 dB
Selectivity (IHF)	35 dB	GENERAL	
Image Rejection	70 dB	GLIVLITAL	
IF Rejection	70 dB	Switches	
Front End	3 Gang	SPEAKERS	OFF-A-B-C-A+B-A+C
IF Stage	2 Stages	SELECTOR	AM-FM-PHONO-AUX 1-AUX
			2-M1C
AMPLIFIER SECTION		MODE	LEFT-RIGHT-STEREO-REV-MIX
Dynamic Power Output (IHF)		OTHERS	TAPE MONITOR A, TAPE
Both CH. 4Ω 1kHz	240 watts		MONITOR: B, LOW-HIGH
Both CH. 8Ω 1kHz	190 watts		FILTER, FM MUTING,
Continuous Power Output			LOUDNESS, MIC jack
Each CH. 4Ω 1kHz	80/80 watts	AC Outlets	_
Each CH, 8Ω 1kHz	60/60 watts	SWITCHED	2
Both CH, 4Ω 1kHz	60/60 watts	UNSWITCHED	1 .
Both CH. 8Ω 1kHz	50/50 watts	Semiconductors	2 FETs, 1 IC, 54 Transistors,
Both CH. 8Ω 20 \sim 20kHz	45/45 watts	D	43 Diodes
Harmonic Distortion (at rated)	0.5%	Power Consumption	000
(at -3 dB rated)	0.1%	at full power	320 watts
I.M. Distortion (at rated)	0.5%	at no signal	40 watts
(at -3 dB rated)	0.2%	Dimensions	17-1/8"(W) x 5-3/4"(H)
Frequency Response		Missing	x 14"(D)
(High Level Input)	$20 \sim 40 \text{ kHz} \pm 2 \text{ dB}$	Weight	29.0 lbs.
		Walnut Cabinet	VEC
		(included in price)	YES

TROUBLE SHOOTING

			HECK U	nit (Page	9)	
Symptom	R.f. (4)	i.f. (4 ~ 5)	MPX (5)	Pre (6)	Tone (6)	Main (6 ~ 7)
No sound				9	9	
Distortion						8
Noise		-		0	•	9
Dynamic range				•		
Hum				0	9	
Crosstalk				0		
Shifting voltage of output terminal						•
Oscillation						9
Heated transistor				;		•
Tone					•	
Poor output of low frequency in PHONO position				0		
Protection						0
Out of dial calibrations						
Not light stereo indicator		•	•			
Drift	•					
Separation			•			
Interference	•	•				
Carrier-leak			0			
Sensitivity	9	-				
Muting		② .				
Meter		•				
Not receive f.m. broadcastings	•	•				
Not receive a.m. broadcastings		•				

Note: This trouble shooting has not power supply, sub unit and etc..

R.f. Unit (X01-1030-10)

Complaint	Possible cause	Repairs
Not receive f.m. broad- castings	Poor connection of supply voltage line.	Check the terminal No. 3.
	Faulty transistor Qas.	Check and replace.
	Poor adjustment of trimmer CTas.	Readjustment.
Poor sensitivity	Poor adjustment.	Readjustment.
	Faulty FETs Qaı, 2.	Check and replace.
	Poor connection of supply voltage line.	Check coils Las, 6.
Out of calibrations	Poor adjustment of local oscillation.	Readjustment.
Drift	Faulty trimmer CTa4 of local oscillator.	Check and replace.
Interference	Poor adjustment.	Readjustment

■ I.f. Unit (X02-1020-10)

	The state of the s	
Not light stereo indicator	Poor adjustment of coil Lb6 and potentiometer VRb3.	Readjustment
	Faulty transistors Qb7,8 and diode Db11.	Check and replace.
	Faulty or poor adjustment of MPX unit.	Check and replace, or readjust
Not operate f.m. muting	Faulty transistors Qb9, 10 and diode Db12.	Check and replace.
Not receive broadcast- ings with muting off	Faulty transistor Qb10.	Check collector of Qb10 to be OV under operating.
(but signal meter's pointer swings)	Faulty IC ICbi.	Check and replace.
Distortion	Faulty diodes Db4, s and coil Lb3.	Check and replace.
	Poor adjustment of coil Lbs.	Readjustment
Poor f.m. sensitivity. (but signal meter's	Faulty transistors Qb4, 5, and IC ICb1.	Check and replace.
pointer swings)		
(Not meter's pointer	Faulty transistors $Qb_1 \sim 3$.	Check and replace.
swings)		
		,

■ I.f. Unit (X02-1020-10)

Complaint	Possible cause	Repairs
Not receive f.m. broad- castings. (but singal meter's pointer swings)	Faulty transistor Qb4, 5, and IC ICb1.	Check and replace.
(But meter's pointer not swing)	Poor connection of supply voltage line.	Check the terminal No. 6.
Not receive (a.m.)	Faulty transistors Qb11 ~ 15.	Check and replace.
Noise (a.m.)	Faulty variable capacitor.	Check it.
Interference (a.m.)	Faulty trans, and coils Lb11 ~ 15.	Check and replace.
Distortion (a.m.)	Faulty diodes Db13, 14.	Check and replace.
Poor sensitivity (a.m.)	Faulty transistors Qb11 ~ 14.	Check and replace.

■ MPX Unit (X04-1010-10)

Not light stereo indicator	Faulty pilot lamp.	Check and replace.
	Poor i.f. stage.	Readjustment
	Poor adjustment of potentiometer VRc2.	Readjustment
	Faulty transistors Qc2, 4 ~ 7.	Check and replace.
Not separate (but stereo indicator lights)	Faulty of transistor Qc3 and coil Lc4.	Check and replace.
Poor separation	Poor adjustment of coils $Lc_2 \sim 4$ and potentiometer VRc1.	Readjustment
	Faulty diodes Dc3 ~ 10.	Check and replace.
Carrier-leak	Faulty diodes Dc3 ~ 10.	Check and replace.
	Faulty capacitor Cc9, 10.	Check and replace.
	Faulty low-pass filter Lcs.	Check and replace.
	e e	

■ Preamp Unit (X08-1080-10)

Complaint	Possible cause	Repairs
No sound	Faulty transistors Qj1 ~ 4.	Check and replace.
Noise ·	Faulty transistors Qj1, 2, resistors Rjs, 6,25, 26, and capacitors Cj1, 2, 21, 22.	Check and replace.
Dynamic range	Faulty transistors Qj1,2 and capacitors Cj1,2.	Check and replace.
Hum	Faulty capacitor Cj23, 24.	Check and replace.
Poor output of low frequency at phono position	Faulty capacitor Cj15, 16, 19, 20.	Check and replace.

■ Toneamp Unit (X11-0007-11)

No sound	Faulty transistors Qi1 ~ 4.	Check and replace.
Boost and cut	Faulty potentiometers VRi ₁ ~ 3 and transistors Qi ₃ , 4.	Check and replace.
Noise	Faulty transistors Qi1 \sim 4, resistors Ri27, 28, and capacitors Ci1 \sim 4, 15, 16, 21, 22.	Check and replace.

■ Mainamp Unit (X07-1110-10)

No sound. (protection relay is off.)	In case of operating protections, faulty transistors Qe ₁ ~ 10.	Check and replace (replacement order first Qe7 ~ 10, second Qes, 6, third Qe1 ~ 4).		
	Faulty resistors Rq2, 3.	Check and replace.		
	In case of not operating protections, faulty transistors Qe13 ~ 15	Check and replace.		
Distortion	Faulty resistors Rq1 ∼ 4.	Check and replace.		
	Output waveform. →	Check resistors Rq3,4		
	\\\\\\\\\\\\\	Check resistors Rq1, 2		
(Crossover distortion.)	Faulty varistors D ₁ , ₂ , and potentiometers VRe ₁ , ₂ .	Check and replace.		
Hum	Faulty capacitor Ce16.	Check and replace.		
Noise	Faulty transistors Qe1 \sim 4, diode De1 and capacitors Ce3, 4, 7, 8.	Check and replace.		
Shock noise	Faulty capacitor Ce18 and transistors Qe14, 15.	Check and replace.		

■ Mainamp Unit (X07-1110-10)

Complaint	Possible cause	Repairs
Shifting voltage of output terminal	Faulty transistors Qe1 \sim 4, and diode De1.	Check and replace.
Oscillation	Faulty capacitor Ce1, 2, 9, 10, Cq1, 2, and resistor Rqs, 6.	Check and replace,
Heated power transistor	Faulty potentiometers VRe1, 2, and varistors D1, 2.	Check and replace.
Heated drive stage tran- sistor	Faulty resistors Rq1 ~4.	Check and replace.
Misoperation of protec- tion circuit	Faulty diodes De2 \sim 4, and transistors Qe11,12.	Check and replace.

ADJUSTMENT

[BEFORE ADJUSTMENT]

possible.

refer to figure.

12.5Ω ᠕᠕ r.f. generator (112.5Ω) 50Ω 50Ω Antenna (70Ω) (75Ω) 300Ω 150Ω (150Ω)

▲ Dummy antenna

[ADJUSTING FM-IFT]

Connect the sweep generator being set to 10.7 MHz to test point 1 (TP1) through a capacitor 3 pF.

Tuning dial is set to the proper point corresponding to no radio stations.

The sweep and the r.f. generator are set to the minimum response on oscilloscope as

The oscilloscope is connected across the input terminal in series through a resistor

Connecting the r.f. generator to the antenna terminal use the dummy antenna . . .

Connect the oscilloscope to test point 2.

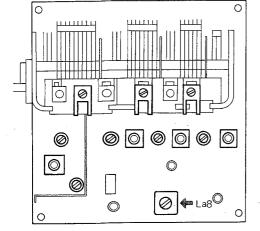
1000-ohm except the recording jack and TP2,

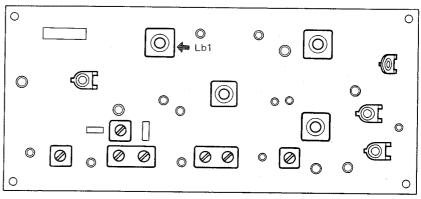
Use the insulated screwdriver adjusting the i.f.t.

FM MUTING is OFF position except necessity. Test point shown in the schematic diagram.

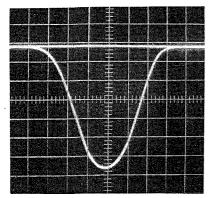
SELECTOR is FM AUTO position.

Adjust i.f. trans La8, Lb1 so that output is the best.



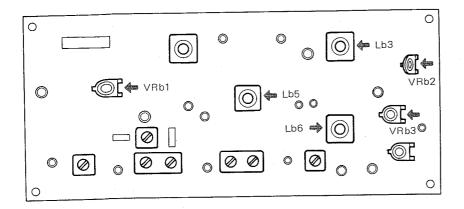


Waveform of test point 2



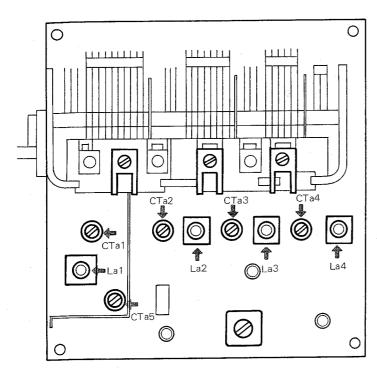
[ADJUSTING DISCRIMINATOR]

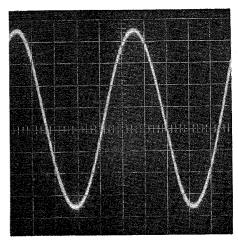
- 1. With no test equipments, adjust the secondary (top) of discriminator coil Lb3 so that tuning meter's pointer is between the center zone.
- 2. Connect d.c. voltmeter to test point 3.
- 3. Connect the r.f. generator being set 98 MHz, no modulation, antenna input of $5 \sim 7 \,\mu\text{V}$ to antenna terminal.
- 4. Adjust trigger coil Lb6 so that voltmeter is max.
- 5. Adjust meter coil Lb5 so that signal meter is max.
- 6. Set the output of r.f. generator so that voltmeter is 2.5V at test point 3.
- 7. Adjust the potentiometer VRb3 so that voltmeter is 2V at test point 3.
- 8. Switch the output of r.f. generator being set antenna input of $7\mu V$ to antenna terminal.
- 9. Adjust the potentiometer VRb1 so that voltmeter is 1.4V at test point 3.
- 10. Connect the r.f. generator being set 98 MHz, modulation of 400 Hz, deviation of 75 kHz, to antenna terminal and the oscilloscope and VTVM to REC jack.
- 11. Adjust the primary (bottom) of discriminator coil Lb3 so that distortion is min.
- 12. Adjust the potentiometer VRb2 so that voltmeter is 1V at REC jack.



[ADJUSTING TRACKING]

- Connect the r.f. generator to antenna terminal through a dummy antenna.
- 2. Set the r.f. generator to 90 MHz, the modulation of 400 Hz, the deviation of 75 kHz, and the input of 10 μ V.
- Connect the VTVM to the recording jack (REC jack).
- 4. Meet the dial pointer to 90 MHz on the dial calibrations.
- 5. Adjust the core of r.f. trans La1 \sim 3 and local oscillator coil La4 so that the output is the maximum.
- 1. Set the r.f. generator to 106 MHz, the modulation of 400 Hz, the deviation of 75 kHz and the input of 10 μV_{\odot}
- 2. Meet the dial pointer to 106 MHz on the dial calibrations.
- 3. Adjust the trimmer CTa1 \sim 4 so that the output is the maximum.
 - * If there is internal oscillation, adjust the trimmer CTa5.

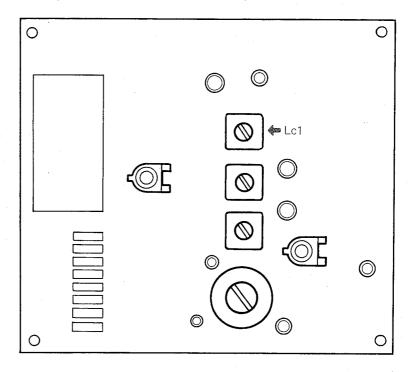




▲ Waveform of Rec jack

[ADJUSTING SCA FILTER]

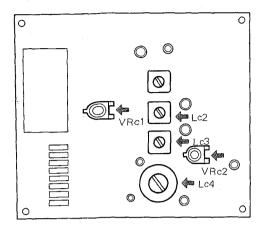
- 1. Connect the audio generator being set to 67 kHz to the test point 4.
- 2. Connect the VTVM to the test point 5.
- Adjust the core of Lc1 so that the output is the minimum.



[ADJUSTING MPX]

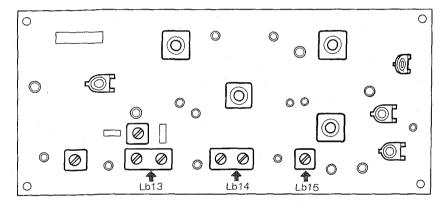
- 1. Set the MPX generator to the following.
 - SELECTOR \rightarrow A + B MODULATION → 400 Hz
- PHASE DEVIATION →
- NORMAL 67.5 kHz
- 2. Connect the r.f. generator to the antenna terminal and the VTVM to the test point 6.
- 3. Adjust the core of $Lc2 \sim 4$ so that the output is the maximum.
- 4. Switch the selector of MPX generator of A B (reverse).
- 5. Remove the VTVM to the REC jack.
- Adjust the core of Lc4 so that the output is the best.
- 7. Switch the selector and deviation of the MPX generator to A + B and 40
- 8. Adjust the potentiometer VRc2 so that stereo indicator is on.
- 9. Switch the selector of the MPX generator to A (R).
- 10. Adjust the potentiometer VRc1 so that the output is the minimum.
- 11. Switch the selector of the MPX generator to B (L).
- 12. Adjust the potentiometer VRc1 so that the output is the minimum.

Note: In case of difference between right and left set the potentiometer (VRc1) to average.



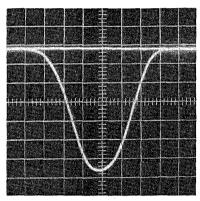
[ADJUSTING AM-IFT]

- 1. Connect the sweep generator being set to 455 kHz to antenna terminal.
- 2. Connect the oscilloscope to the test point 7.
- 3. Adjust the core of i.f. trans Lb13 \sim 15 so that the output is the best.

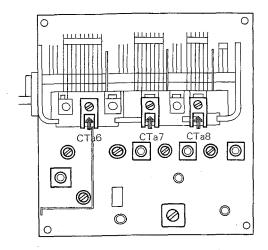


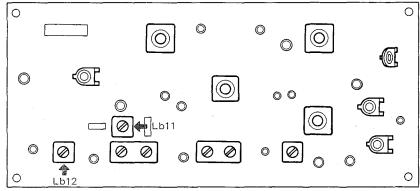
[ADJUSTING TRACKING]

- 1. Connect the r.f. generator being set to 600 kHz, modulation of 30% at 400 Hz to antenna terminal.
- 2. Connect the VTVM to the REC jack.
- 3. Meet the dial pointer to the 600 kHz on the dial calibrations.
- 4. Adjust the osc-trans. Lb11 r.f.-trans. Lb12 and ferrite antenna so that the output is the max.
- 1. Connect the r.f. generator being set to 1,400 kHz, modulation of 30% at 400 Hz to antenna terminal.
- 2. Connect the VTVM to the REC jack.
- 3. Meet the dial pointer to the 1,400 kHz on the dial calibrations.
- 4. Adjust the trimmer CTa6 \sim 8 so that the output is the max.



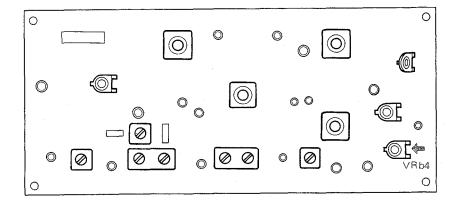
▲ Waveform of test point 7





[ADJUSTING METER]

- 1. Connect the r.f. generator to antenna terminal.
- 2. Meet the dial pointer to the 1,000 kHz on the dial calibrations.
- 3. Adjust the potentiometer (VRb4) so that the signal meter indicates "5".



AUDIO ADJUSTMENT

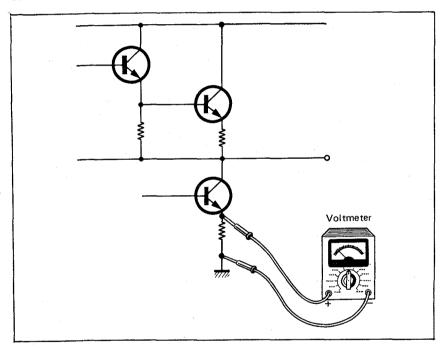
[BIAS CURRENT]

In the case of using the voltmeter

- 1. Connect the voltmeter across the emitter resistor of power transistors.
- 2. Check the voltmeter to be 20mV.
- 3. If not, turn the PC trimmer potentiometer (VRe1, 2) so that the meter has rating value.

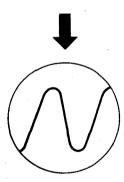
In the case of using the audio generator and oscilloscope, etc.

- 1. Connect the dummy load (8α) to speaker terminal and do the oscilloscope across the dummy.
- 2. Feed the signal (1 kHz) to the set.
- 3. Check the waveform to be the best.
- 4. If not, turn the PC trimmer potentiometer (VRe1, 2) so that the waveform is distortionless.
- 5. Check the voltmeter to be 20mV.





Distorted waveform



Best waveform

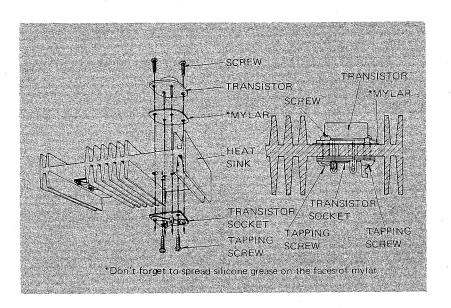
HOW TO REPLACE POWER TRANSISTOR

[REPLACING POWER TRANSISTOR]

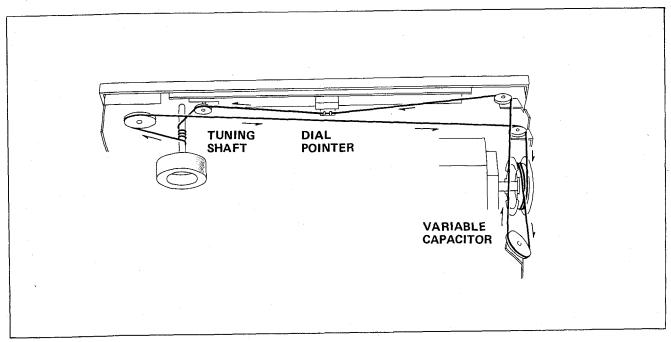
- 1. Remove screws (not tapping screw).
- Replace the power transistor with new.
 At this time, don't forget to spread silicone grease on faces of mylar.
- 3. Fix the power transistor with screw on the heat sink.
- 4. Check the transistor is not in contact with the heat sink.

Note: 1. Tapping screw holds the transistor socket. Don't remove it without necessity.

2. Before fix the transistor, in the case of replacing transistor socket, do the transistor socket.



▼ DIAL CORD STRINGING

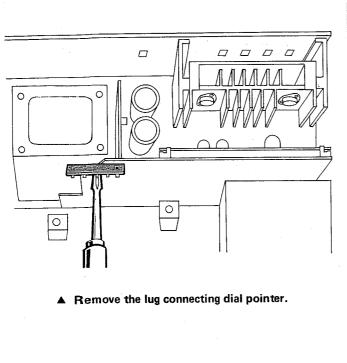


HOW TO REPAIR FINAL STAGE (RIGHT CHANNEL)

1

2

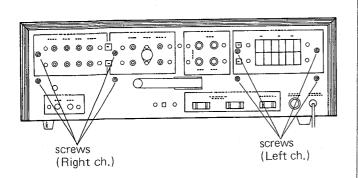
3



Screws

Screws

▲ Remove the shield plate.



▲ If you want to remove a heat sink, unscrew screws on rear panel.

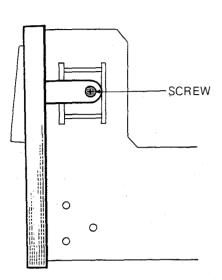
▲ Adjust power transistors.

HOW TO REPLACE PUSHBUTTON PC BOARD

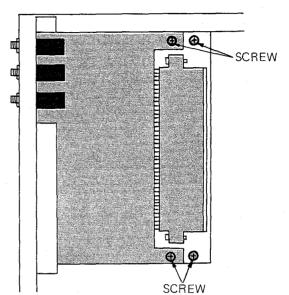
1

2

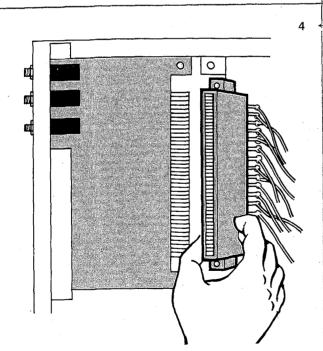
3



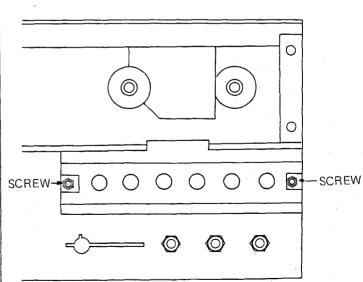
■ Remove the case and the screw setting right side of front panel — front panel fixed by nuts of potentiometer and rotary switches.



▲ Remove screws fixing pc board and pc board connector.



▲ First pull out the pc board from connector and next do out pc board.

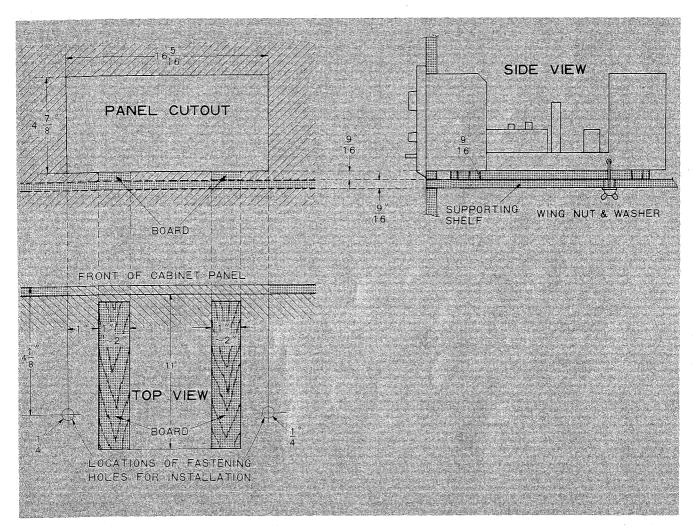


▲ Remove screws fixing pc board on front chassis.

HOW TO MOUNT THE SET

DIRECTIONS FOR PANEL MOUNTING

- 1. Remove the walnut cabinet.
- 2. Locate the supporting shelf at the height you wish the receiver positioned.
- 3. Remove the four bottom legs.
- 4. An air space must be made between the bottom of the set and the supporting shelf to assure good ventilation and cool operation. This space can be made by placing two boards which measure 9/16" thick by 1" to 2" width between chassis and the supporting shelf.
- 5. Make panel cutout in the size shown at left 4-7/8" x 16-5/16". The bottom of the cutout should be flush with the bottom plate of the receiver, as shown in the side view. The distance between the bottom of the cutout and the top of the supporting shelf is 9/16".
- 6. The receiver is held in place by two bolts. The holes must be made in the shelf to correspond with the holes in the receiver. Use the "Top View" to locate these holes on the supporting shelf. The holes should be made 1/4" in diameter or somewhat larger.



HOW TO UNDERSTAND ROTARY SWITCH

- See Fig. 1, for an example.
- S1 means one of rotary switches, number 1 SELECTOR switch.
- Namely, 2 means the 2nd wafer, and 3 means the 3rd wafer. Others are like so. (Fig. 2)
- The numbering of contact points are as shown in Fig. 3

Fig. 1

a

4

c

S1-1f

8

11

10

b

7

g

means connection of the same contact point of rear and front wafer.

\$1-1r

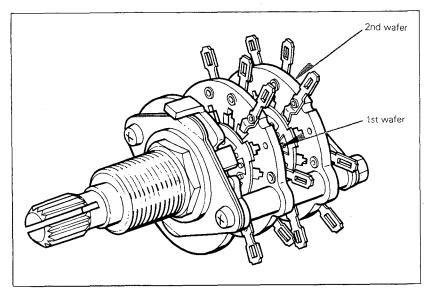


Fig. 2

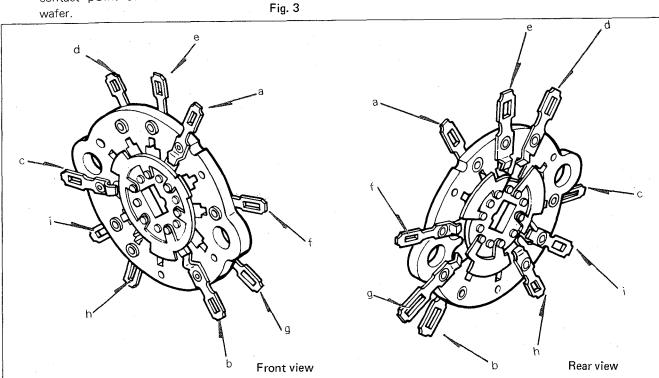
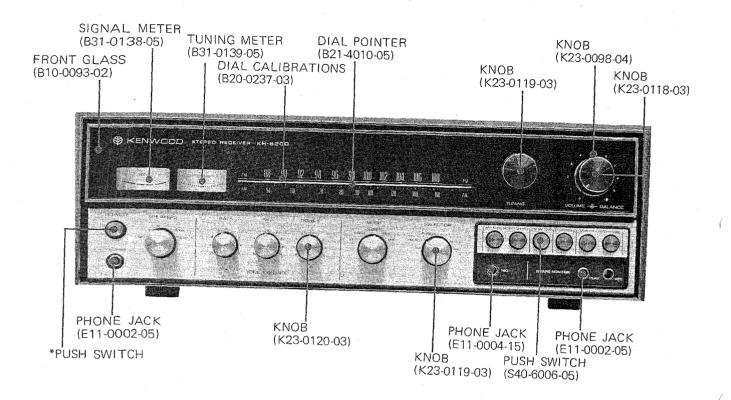


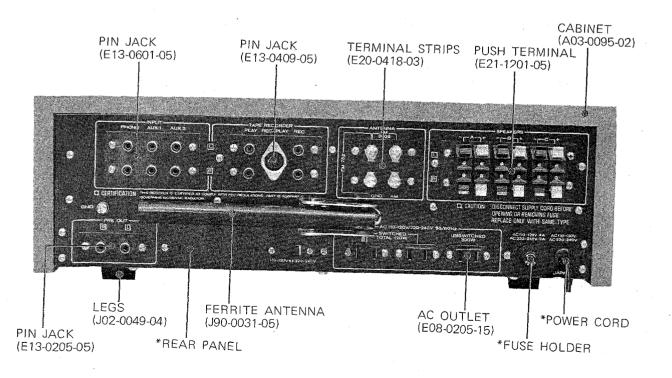
TABLE OF TRANSISTOR ABSOLUTE MAX. RATINGS

Transistor's name	Vсво	VCEO	VEBO	Ic	lE	Pc	TJ	hFE	Туре
2SA620WL	–60∨	–50∨	-5V	-50mA	50mA	200mW	125°C	90 ~ 500	Si
2SA673A	55∨	55V	-4V	~0.5A	0.5A	0.4W	125°C	60 ~ 200	Si
2SA733	50V	-40V	_5V	-100mA	· –	250mW	125°C	90 ~ 270	Si
2SC381	40∨	30∨	4V	20mA	-20mA	100mW	125°C	40~80	Si
2SC458	30∨	30∨	5V	100mA	_	200mW	125°C	60 ~ 500	Si
2SC785R	40∨	30V	4V	20mA	-20mA	100mW	125°C	40~80	Si
2SC941	35∨	30∨	4∨	20mA	20mA	200mW	125°C	40 ~ 140	Si
2SC945	50V	40V	5V	100mA	_	250mW	125°C	90 ~ 270	Si
2SC983	250∨	150∨	5V	50mA	-50mA	600mW	150°C	70 ~ 240	Si
2SC1161	200∨	120V	6V	1A	_	15W	150°C	30 ~ 200	Si
2SC1213A	55V	55V	4V	500mA	-500mA	400mW	125°C	60 ~ 200	Si
2SC1345	55∨	50V	5V	100mA	-100mA	200mW	125°C	400 ~ 1200	Si
2SC1416A	55V	50V	5V	50mA	-50mA	200mW	150°C	200~700	Si
2SD220	80V	50V	7V	1A	-1A	500mW		70~400	Si

Vсво	: Collector to base voltage	IE	: Emitter current
VCEO	: Collector to emitter voltage	PC	: Maximum power disposition
VEBO	: Emitter to base voltage	TJ	: Operating junction temperature
IC	: Collector current	Si	: Silicon transistor

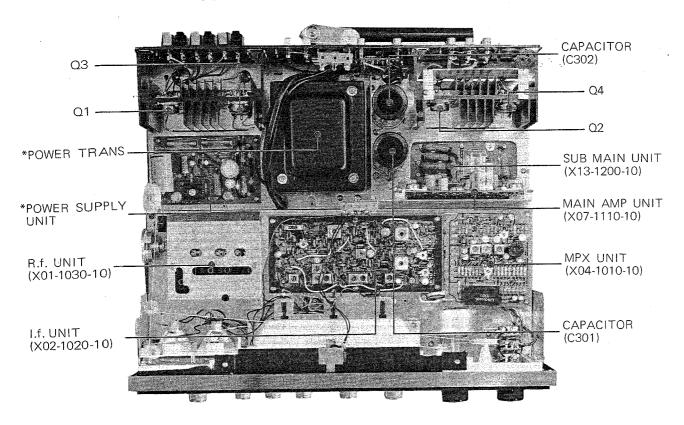
EXTERNAL VIEW

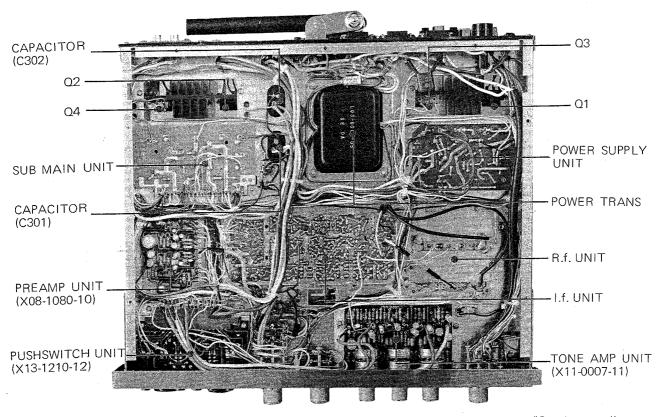




*See the parts list.

TOP & BOTTOM CHASSIS VIEW





*See the parts list.

PARTS LIST

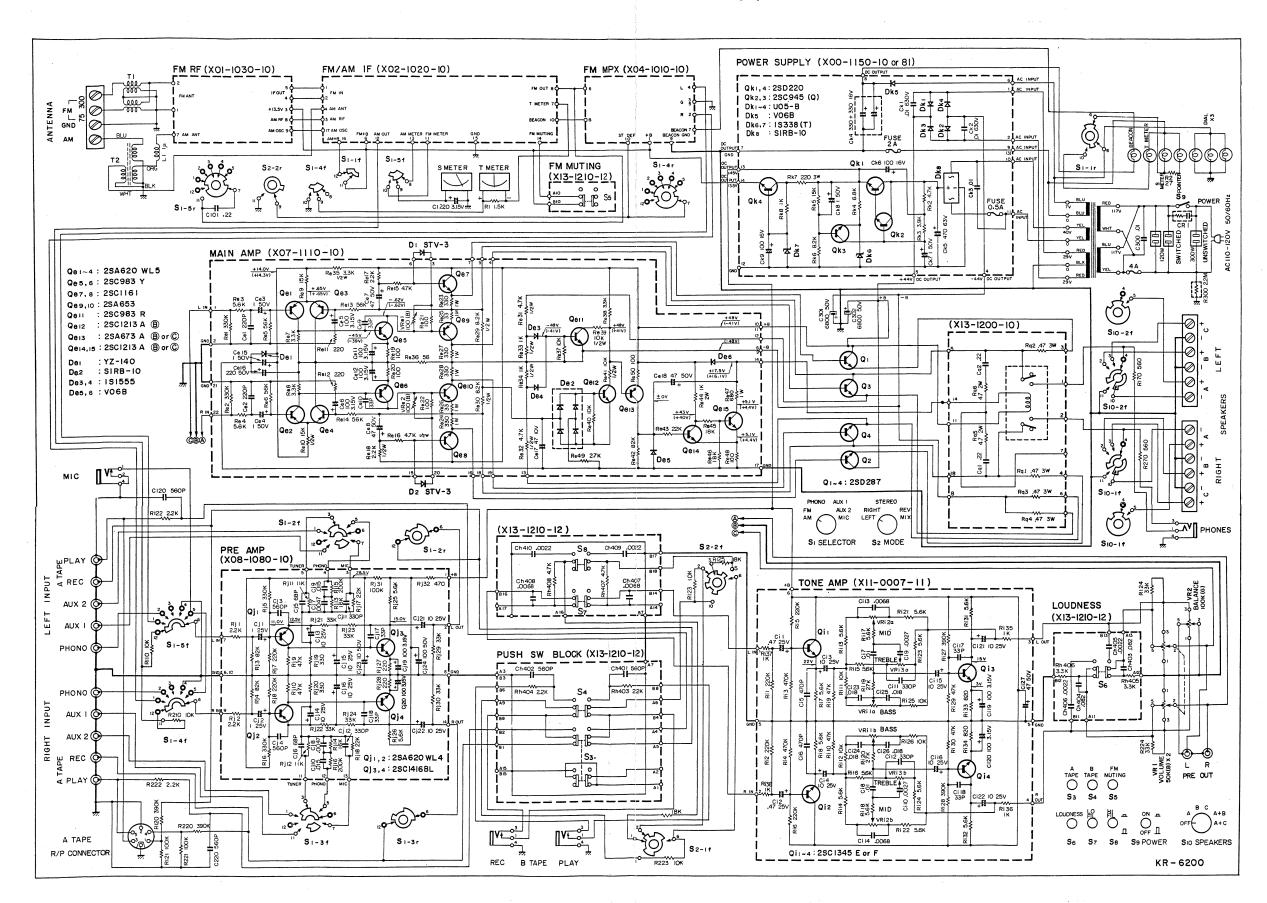
Ref. No.	Parts No.			Descript	ion		Remarks
			CAP	ACITOR			
C1	CE04W0F221	Electrolytic	220μF	3.15WV			
C101	CQ93M1H224M	Mylar	$0.22\mu F$	±20%			
C120	CK45D1H561M	Ceramic	560pF	±20%			
C220	CK45D1H561M	Ceramic	560pF	±20%			
C300	C90-0029-05	Oil filled	0.01μF	+100%	0%		
C301, 302	C90-0129-05	Electrolytic	6800µF	50WV			
, , , , , , , , , , , , , , , , , , , ,	I		RE	SISTOR			
R1	PD14BY2E152J	Carbon	1,5kΩ	±5%	1/4W		
R2	RC05GF2H270K	Carbon	27Ω	±10%	1/2W		
R110	PD14BY2E103J	Carbon	10kΩ	±5%	1/4W		
R120	PD14BY2E394J	Carbon	390kΩ	±5%	1/4W		
R121	PD14BY2E104J	Carbon	100kΩ	±5%	1/4W		
R122	PD14BY2E222J	Carbon	2.2kΩ	±5%	1/4W		
R123	PD14BY2E103J	Carbon	10kΩ	±5%	1/4W		
R124	PD14BY2E333J	Carbon	$33k\Omega$	±5%	1/4W		
R125	PD14BY2E183J	Carbon	18kΩ	±5%	1/4W		
R170	RC05GF2H561K	Carbon	560Ω	±10%	1/2W		
	PD14BY2E103J	Carbon	10kΩ	±5%	1/4W		
R210 R220	PD14BY2E394J	Carbon	390kΩ	±5%	1/4W		
R220	PD14BY2E104J	Carbon	100kΩ	±5%	1/4W		
	PD14BY2E222J	Carbon	2.2kΩ	±5%	1/4W		
R222	PD14BY2E103J	Carbon	10kΩ	±5%	1/4W		
R223	PD14BY2E333J	Carbon	33kΩ	±5%	1/4W		
R224	PD14BY2E183J	Carbon	18kΩ	±5%	1/4W		
R225	RC05GF2H561K	Carbon	560Ω	±10%	1/2W		
R270	RC05GF2H225K	Carbon	2.2MΩ	±10%	1/2W		
R300	110000121122011	1		ONDUCTOR			- <u>L</u>
	1	2SD287				 	T
Q1 ~5		STV-3					
D1, 2		317-3		WITCH			<u>· </u>
	T	, (OF.		WITCI			
S1	S04-5014-05	Rotary (SEI					
S2	S04-2043-05	Rotary (MO					
S10	S04-2036-05	Rotary (SPE		TIOMETER			
	T	T		ITIOMETER			<u> </u>
VR1	R11-9003-05	Potentiomet		(B) three gangs			
VR2	R11-9003-05	Potentiomet	ter 100kΩ	(W) three gan	gs BALANCE		
			MISCE	LLANEOUS			
_	A03-0095-02	Cabinet					
-	A10-0313-11	Chassis					
-	A15-0018-02	Frame					
] –	A15-0019-13	Frame assen	nbly				
-	A20-0518-05	Panel					
	A20-0520-03	Panel assemi	•	. *			
<u> </u>	A21-0096-02	Ornamental	plate				
-	A30-0066-05	Dial board					
_	A40-0097-03	Bottom plat	е				
	B07.0004.04	Black spacer					
-	B07-0084-04	Black spacer					<u> </u>

Ref. No.	Parts No.	Description	Remarks
_	B10-0093-02	Front glass	
_	B20-0237-03	Dial calibrations	
_	B21-4010-05	Dial pointer	. "
PL	B30-0060-05	Pilot lamp (300mA) x 3	
PL	B30-0064-05	Pilot lamp (50mA, stereo indicator)	
_	B30-0067-05	Meter pilot lamp (8V, 150mA) x 2	
	B31-0137-05	Meter assembly	
_	B31-0138-05	Signal meter	
	B31-0139-05	Tuning meter	J
_	B42-0009-04	Passed sticker	
	B42-0352-14	Name plate (C)	
	B42-0353-14	Name plate (A)	
	B52-0133-00	Schematic diagram	
•			
_	D01-0009-05	Flywheel	
	D15-0073-14	Middle size pulley x 2	
_	D15-0075-04	Small size pulley x 3	
_	D15-0104-04	Pulley	
	D20-0092-05	Dial shaft	
_	E02-0207-05	Transistor socket x 4	
_	E08-0205-15	AC outlet x 3	UL
	E10-2205-05	22P PC board connector	
	E10-3601-05	36P PC board connector	
_	E11-0002-05	Phone jack (TAPE-REC, PLAY, PHONE) x 3	
_	E11-0002-05	Phone jack (MIC)	
_	E13-0205-05	2P pin jack	
	E13-0409-05	4P pin jack with DIN	
1 _	E13-0601-05	6P pin jack	ļ
1 -	E15-0038-05	Pilot lamp socket	
	E20-0418-03	4P terminal strips	
_	E21-1201-05	12P push terminal	
	504 0440 40		
	F01-0119-13	Heat sink x 2	
_	F07-0264-14	Dial cover	
-	F10-0273-13	MAIN unit shield plate	
-	F10-0274-04	INPUT shield plate	
_	G01-0045-04	Dial spring	
	H01-0805-04	Carton case	
-	J02-0049-14	Leg x 4	
_	J19-0010-04	Varistor stopper x 2	
-	J19-0029-14	Front glass stopper x 2	
_	J19-0249-04	Meter stopper	
-	J19-0250-14	Dial stopper	e de la companya de l
_	J19-0251-14	Left side board	
_	J19-0252-34	Right side board	
_	J19-0266-04	Upper front glass stopper	
_	J19-0267-04	Lower front glass stopper x 3	
_	J21-0192-04	Amp stopper	

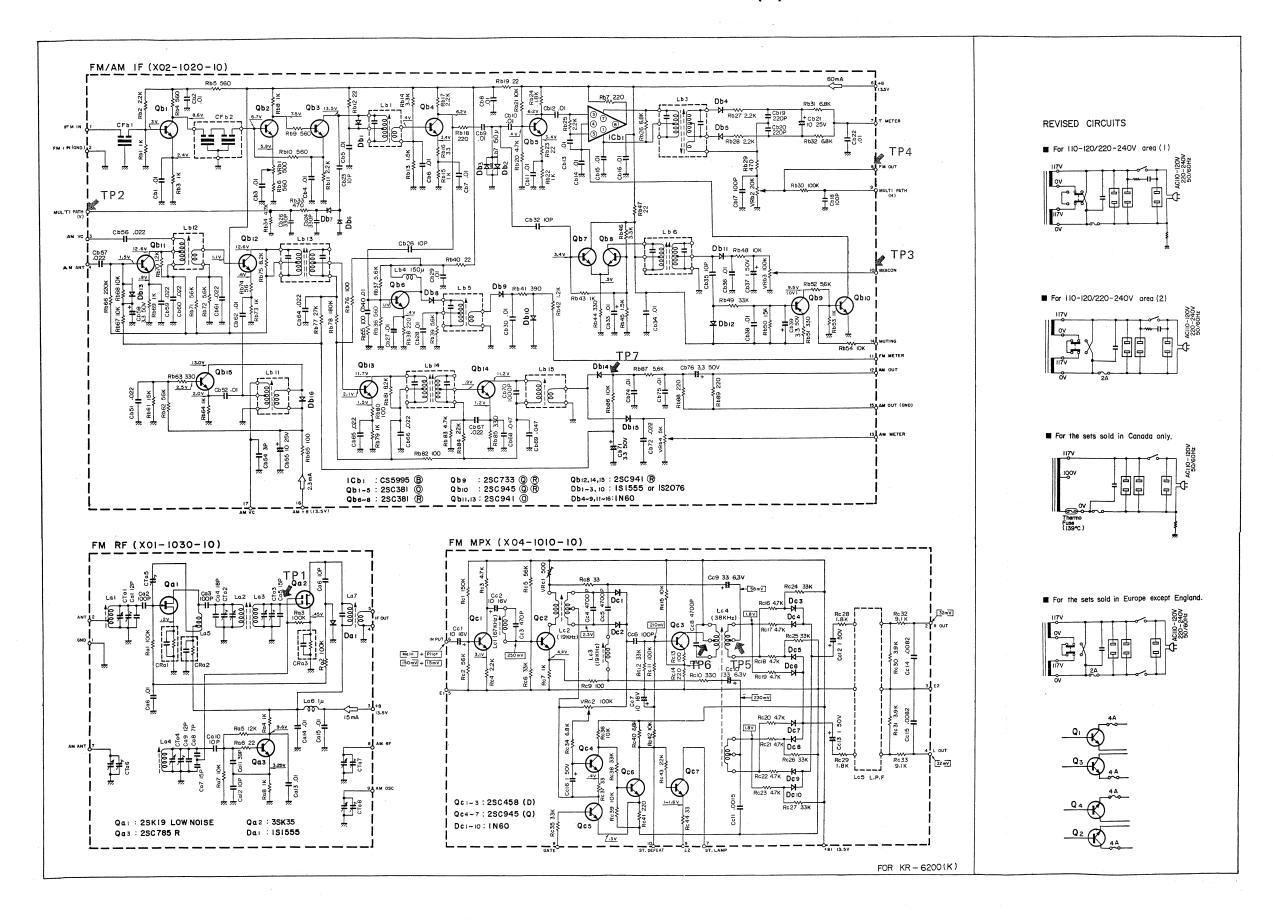
Ref. No.	Part No.	Description	Remarks
-	J21-0973-14	Pushbutton switch mounting hardware	
_	J21-0975-04	Shield plate mounting hardware	
_	J21-0976-14	L shape mounting hardware	
_	J21-0977-04	Switch mounting hardware	
<u> </u>	J21-0989-14	Pilot lamp mounting hardware	
_	J21-1001-04	Frame mounting hardware	
	J21-1011-04	Panel mounting hardware	
	J25-0768-04	DIN PC board	
	K23-0098-04	Knob (BALANCE)	
-	K23-0117-03	Knob (TUNING)	
_	K23-0118-03	Knob (VOLUME)	
	K23-0119-03	Knob (SPEAKERS, MODE, SELECTOR)	
_	K23-0120-03	Knob (TONE) × 3	,
	K29-0115-04	Knob (POWER)	
	K29-0117-04	Knob (push button) x 6	
	1,20017701	Third (pasting action) A G	
Т1	L19-0009-05	Balun transformer	
L1	L33-0025-05	Choke coil (1µH)	
Li	200 0020 00	Should don't (1/21.1)	
_	T90-0002-05	FM indoor antenna	
T2	T90-0031-05	Ferrite antenna	•
12	130-0031-03	Torrito differnia	
	X01-1030-10	FM-RF unit	
_	X02-1020-10	IF unit	
.	i	·	, i
_	X04-1010-10	MPX unit	
- .	X07-1110-10	MAIN AMP, unit	·
_	X08-1080-10	PRE AMP, unit	:
_	X11-0007-11	TONE AMP. sub unit	
	X13-1210-12	Pushbutton unit	
	In North Ar	nerica add to the following parts.	
_	A23-0286-02	Rear panel	
_	B40-0631-04	Model name plate — only Canada	
_	B40-0640-04	Model name plate — only U.S.A.	
_	B42-0359-04	UL caution sticker x 2	
-	B46-0002-00	Warranty card (light blue) — only U.S.A.	
_	B46-0021-00	Warranty card (light blue) — only Canada	
_	B50-0831-00	Instruction manual	
-	B58-0043-00	Carton case caution card	
_	E30-0046-05	Power cord	UL
		·	
_	F05-4021-05	Fuse (4A) — only U.S.A.	UL
_	F05-4022-05	Fuse (4A) — only Canada	
	H03-0138-04	Carton case	
		·	
_	J13-0016-15	Fuse holder	UL
_	J20-0227-14	AC outlet mounting hardware	
		·	
_	L03-0068-15	Power transformer — only U.S.A.	
		1	1

Ref. No	Parts No.	Description	Remarks
CR1	R90-0097-05	Spark killer — only U.S.A.	
S9	S39-2002-05	Pushbutton switch (POWER)	
	X00-1150-10	Power supply unit	
	In other area		
	A23-0287-02	Rear panel	
	B40-0641-04	Model name plate	
-	B46-0022-00	Warranty card (yellow)	
_	B46-0023-00	Warranty card (yellow)	
-	B50-0832-00	Instruction manual	
	B58-0139-00	Power supply caution card	
-	B58-0144-00	Power voltage selector caution card	
	B58-0146-00	Spare fuse caution card	
-		KENWOOD service stations' list	
_	B59-0018-00	NENWOOD Service stations list	
_	D32-0021-04	Switch stopper	
_	E30-0034-05	Power cord	
_	F05-2023-05	Fuse (2A)	·
	F05-4022-05	Fuse (4A)	
	1 03-4022-03	1 430 (47)	
	J13-0033-05	Fuse holder	
_	L03-0067-15	Power transformer	
CR1	R90-0097-05	Spark killer	
	S31-2001-05	Slide switch (power voltage selector)	SEV
S9	S39-2003-05	Pushbutton switch (POWER)	SEV
			321
, –	X00-1150-81	Power supply unit	
	ı		,
+			
			·
			-
	1		

SCHEMATIC DIAGRAM (1)



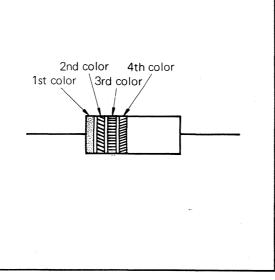
SCHEMATIC DIAGRAM (2)



COLOR CODE

RESISTOR

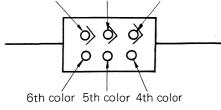
COLOR (meaning)	1 st (value)	2nd (value)	3rd (multiplier)	4th (tolerance)
Black	0	0	10°	_
Brown	1	1	10 ¹	±1%
Red	2	2	10 ²	±2%
Orange	3	3	10 ³	_
Yellow	4	4	104	_
Green	5	5	10 ⁵	_
Blue	6	6	106	_
Purple	7	7	10 ⁷	_
Grey	8	8	108	_
White	9	9	109	_
Gold	_	_	10-1	±5%
Silver	_	_	10-2	±10%
Non-color	_		-	±20%



CAPACITOR (MICA)

COLOR (meaning)	1st (grade)	2nd (value)	3rd (value)	4th (multiplier)	5th (tolerance)	6th (characteristic)
Black	X	0	0	10°	±20%	_
Brown	_	1	1	10 ¹	±1%	В
Red	Z	2	2	10 ²	±2%	С
Orange	_	3	3	10 ³	_	D
Yellow	_	4	4	10 ⁴	_	Е
Green	_	5	5	- .	* ±5%	-
Blue		6	6	-	·-	<u>-</u>
Purple	-	7	7	<u>-</u>	- .	<u> </u>
Grey	Υ	8	8	_	· -	<u>-</u>
White	_	9	9	0.1	±10%	_

1st color 2nd color 3rd color



Unit = pF

* Capacitance being less than 10pF is ±0.5pF on tolerance.

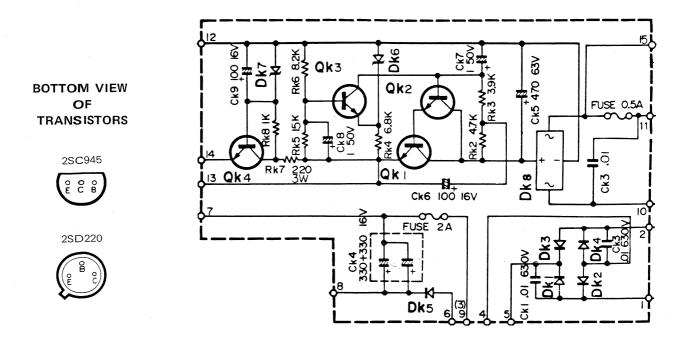


Manufactured by TRIO ELECTRONICS INC., TOKYO, JAPAN.

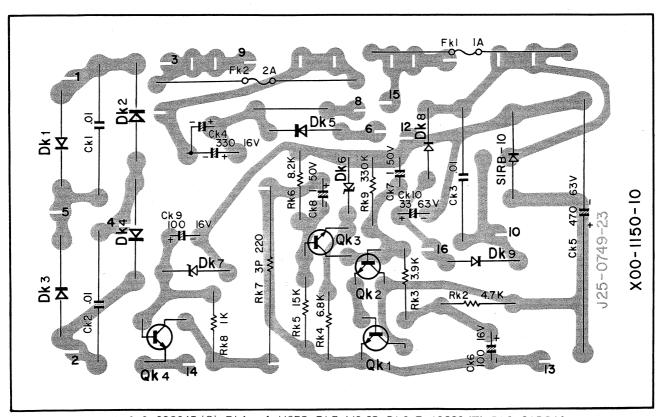
KENWOODPOWER SUPPLY(X00-1150-81) SECTION

(KR-7200) (KR-6200)

SCHEMATIC DIAGRAM-



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS -



Qk 1, 4: 2SD220, Qk2, 3: 2SC945 (Q), Dk1 ~ 4: U05B, Dk5: V0-6B, Dk6, 7: 1S338 (T), Dk8: S1RB10

KENWOOD POWER SUPPLY (X00-1150-81) SECTION

PARTS DESCRIPTION LIST-

Ref. No.	Parts No.		Descrip	tion		Remarks
		CAPA	CITOR		-	
Ck1 ~3	CP02B2J103M	Oil filled 0.01μF	±20%			
Ck4	CE04W1C331X2	Electrolytic 330μF x 2	16WV			
Ck5	CE02W1J471	Electrolytic 470μF	63WV			
Ck6	CE04W1C101	Electrolytic 100μF	16WV			
Ck7,8	CE04W1H010	Electrolytic 1μF	50WV			
Ck9	CE04W1C101	Electrolytic 100μF	16WV			
		RESI	STOR			
Rk2	PD14BY2E472J	Carbon $4.7k\Omega$	±5%	1/4W		
Rk3	PD14BY2E392J	Carbon 3.9kΩ	±5%	1/4W		
Rk4	PD14BY2E682J	Carbon 6.8 k Ω	±5%	1/4W		
Rk5	PD14BY2E153J	Carbon 15kΩ	±5%	1/4W		
Rk6	PD14BY2E822J	Carbon 8.2kΩ	±5%	1/4W		
Rk7	RN14AB3F221J	Metal film 220Ω	±5%	3W		
Rk8	PD14BY2E102J	Carbon 1k Ω	±5%	1/4W		
	de la companya de la	SEMICO	NDUCTO	3		
Qk1		2SD220				
Qk2, 3		2SC945 (Q)				
Qk4		2SD220				
Dk1 \sim 4		U05B				
Dk5		V0-6B				
Dk6, 7		1S338 (T)				
Dk8		S1RB-10				
		MISCELI	ANEOUS	3		
_	F02-0004-05	Heat sink				
	F02-0007-05	Heat sink				
	F05-2023-05	Fuse (2A)				
_	F05-5013-05	Fuse (0.5A)				
_	J13-0023-05	Fuse holder x 2				
						1
	·					
	1					1



(KR-6200) (KR-5200)

SCHEMATIC DIAGRAM -

BOTTOM VIEW OF **TRANSISTORS**

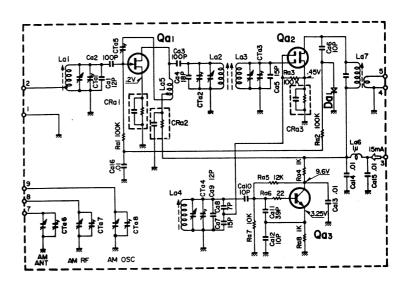
2SK 19



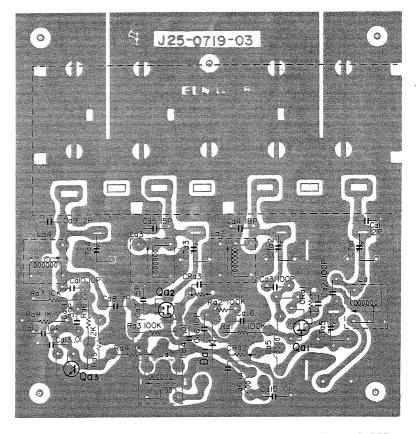


2SC785R





SEALED CIRCUIT ASSEMBLIES PHANTOM VIEWS —



Qa1: 2SK19 (Low noise), Qa2: 3SK35, Qa3: 2SC785R, Da1: 1S1555



PARTS DESCRIPTION LIST-

Cal	Ref. No.	Parts No.			Descr	iption		Remarks
Ga2, 3 CC45SL1H101K Ceramic 100pF ±10% Ca4 CC45SH1H180U Ceramic 18pF ±5% Ca6 CC45SH1H160U Ceramic 15pF ±5% Ca7 CC45TH1H150U Ceramic 15pF ±5% Ca8 CC45TH1H070C Ceramic 7pF ±0.25pF Ca9 CC45SG1H100U Ceramic 15pF ±5% Ca10 CC45SG1H100U Ceramic 10pF ±5% Ca12 CC45SG1H100U Ceramic 10pF ±5% Ca12 CC45SG1H100U Ceramic 10pF ±5% Ca12 CC45SG1H100U Ceramic 10pE ±5% Ca12 CC45SG1H100U Ceramic 10pU ±5% 1/8W RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR				CAF	PACITOR			
Ga2, 3 CC45SL1H101K Ceramic 100pF ±10% Ca4 CC45SH1H180U Ceramic 18pF ±5% Ca6 CC45SH1H160U Ceramic 15pF ±5% Ca7 CC45TH1H150U Ceramic 15pF ±5% Ca8 CC45TH1H070C Ceramic 7pF ±0.25pF Ca9 CC45SG1H100U Ceramic 15pF ±5% Ca10 CC45SG1H100U Ceramic 10pF ±5% Ca12 CC45SG1H100U Ceramic 10pF ±5% Ca12 CC45SG1H100U Ceramic 10pF ±5% Ca12 CC45SG1H100U Ceramic 10pE ±5% Ca12 CC45SG1H100U Ceramic 10pU ±5% 1/8W RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR	Col	CC45SH1H120.I	Ceramic	12pF	±5%			
Code	1			•				
Ca5 CC45SH1H150J Ceramic 15pF ±5% Ca6 CC45SL1H100J Ceramic 10pF ±5% Ca7 CC45TH1H150J Ceramic 15pF ±5% Ca8 CC45TH1H070C Caramic 10pF ±5% Ca9 CC45SG1H100J Ceramic 10pF ±5% Ca10 CC45SG1H100J Ceramic 10pF ±5% Ca110 CC45SG1H390J Ceramic 10pF ±5% Ca12 CC45SG1H100J Ceramic 10pF ±5% Ca13 CA55G1H100J Ceramic 10pF ±5% Ca14 CC45SG1H100J Ceramic 10pF ±5% CA15 CC45SG1H100J Ceramic 10pF ±5% CA16 CK45F1H103Z Ceramic 10pF ±5% CA17 CA55G1H100J Ceramic 10pF ±5% CA18 PD14BY2B104J Cerbon 1½½½ ±5% 1/58V A2 PD14BY2B104J Cerbon 1½½½ ±5% 1/58V A2 PD14BY2B103J Cerbon 1½½½ ±5% 1/58V A2 PD14BY2B103J Cerbon 1½½½ ±5% 1/58V A2 PD14BY2B103J Cerbon 1½½½ ±5% 1/58V A2 CA55G1 10pC 10pC 10pC 10pC 10pC 10pC 10pC 10p	·	• • • • • • • • • • • • • • • • • • • •		•				
Ca6								
Code				•				
Ca8						;		
Ca9					±0.25pF	, :		
Ca10			Ceramic	•	±5%			
Ca11			Ceramic		±5%			
Ca12		CC45SG1H390J	Ceramic		±5%			
Ra1 ~ 3		CC45SG1H100J	Ceramic	10pF	±5%			
RESISTOR Ra1 ~ 3		CK45F1H103Z	Ceramic	0.01μF	+80%, -	-20%		
Ra4				RE	SISTOR	A CONTRACTOR OF THE CONTRACTOR		
Ra4	Ra1 ~ ?	PD14BY2B104J	Carbon	100kΩ	±5%	1/8W		
Ra6								
Ra6 PD14BY2B220 Carbon 22Ω ±5% 1/8W Ra7 PD14BY2B103 Carbon 10kΩ ±5% 1/8W SEMICONDUCTOR								
Ra7 PD14BY2B103J Carbon 10kΩ ±5% 1/8W								
SEMICONDUCTOR		i .				1/8W		
Qa2 3SK35 Qa3 2SC785R Da1 1S1555 TRANS./COIL La1 L34-0301-04 FM-ANT Coil La2 L34-0397-05 FM-RF1 Coil La3 L34-0399-05 FM-SC Coil La5 L33-0027-05 Choke coil La6 L33-0027-05 Choke coil La7 L30-0202-05 FM-IFT MULTIPLE COMPONENT CRa1 R90-0070-05 Ceramic based multiple components (22Ω + 0.01μF) CRa2 R90-0071-05 Ceramic based multiple components (22ΩΩ + 0.01μF) CRa3 R90-0096-05 Ceramic based multiple components (33ΩΩ + 0.01μF) MISCELLANEOUS - A10-0304-03 Front end chassis - A40-0096-04 Front end bottom plate VC C01-0170-05 Ceramic trimmer - Front end chassis - Front end chassis - Front-2051-03 Front end chassis				SEMIC	ONDUCTO	OR .	<u> </u>	
Qa2 3SK35 Qa3 2SC785R Da1 1S1555 TRANS./COIL La1 L34-0301-04 FM-ANT Coil La2 L34-0397-05 FM-RF1 Coil La3 L34-0399-05 FM-SC Coil La5 L33-0027-05 Choke coil La6 L33-0027-05 Choke coil La7 L30-0202-05 FM-IFT MULTIPLE COMPONENT CRa1 R90-0070-05 Ceramic based multiple components (22Ω + 0.01μF) CRa2 R90-0071-05 Ceramic based multiple components (22ΩΩ + 0.01μF) CRa3 R90-0096-05 Ceramic based multiple components (33ΩΩ + 0.01μF) MISCELLANEOUS - A10-0304-03 Front end chassis - A40-0096-04 Front end bottom plate VC C01-0170-05 Ceramic trimmer - Front end chassis - Front end chassis - Front-2051-03 Front end chassis	0-1		25K19 /I o	w noise)				
Oa3 2SC785R Da1 2SC785R TRANS./COIL La1 L34-0301-04 FM-ANT Coil La2 L34-0397-05 FM-RF1 Coil La3 L34-0399-05 FM-RF2 Coil La4 L34-0399-05 FM-OSC Coil La5 L33-0027-05 Choke coil La6 L33-0086-05 Choke coil La7 L30-0202-05 FM-IFT MULTIPLE COMPONENT CRa1 R90-0070-05 Ceramic based multiple components (22Ω + 0.01μF) CRa2 R90-0071-05 Ceramic based multiple components (22Ω + 0.01μF) CRa3 R90-0096-05 Ceramic based multiple components (33ΩΩ + 0.01μF) MISCELLANEOUS				W HOISE/				
TRANS./COIL								
TRANS./COIL La1								
La1	Dai			TRA	NS /COII			
La2		1.04.0004.04	ENA ANT O				· ·	
La3								
La4								
La5								
La6 La7 L30-0202-05 FM-IFT MULTIPLE COMPONENT CRa1 R90-0070-05 Ceramic based multiple components (22Ω + 0.01μF) CRa2 R90-0071-05 Ceramic based multiple components (22Ω + 0.01μF) CRa3 R90-0096-05 Ceramic based multiple components (330Ω + 0.01μF) MISCELLANEOUS A10-0304-03 Front end chassis Front end bottom plate VC C01-0170-05 Variable capacitor CTa1~5 C05-0009-15 Front end cover Front end cover Front end chassis				JII				
La7 L30-0202-05 FM-IFT								
MULTIPLE COMPONENT CRa1 R90-0070-05 Ceramic based multiple components (22Ω + 0.01μF) CRa2 R90-0071-05 Ceramic based multiple components (220Ω + 0.01μF) CRa3 R90-0096-05 Ceramic based multiple components (330Ω + 0.01μF) MISCELLANEOUS - A10-0304-03 Front end chassis - A40-0096-04 Front end bottom plate VC C01-0170-05 Variable capacitor CTa1 ~ 5 C05-0009-15 Ceramic trimmer - F07-0251-03 Front end cover - F07-0261-04 Front end chassis		l .						
CRa1 R90-0070-05 Ceramic based multiple components (22Ω + 0.01μF) CRa2 R90-0071-05 Ceramic based multiple components (22Ω + 0.01μF) CRa3 R90-0096-05 Ceramic based multiple components (330Ω + 0.01μF) MISCELLANEOUS — A10-0304-03 Front end chassis — A40-0096-04 Front end bottom plate VC C01-0170-05 Variable capacitor CTa1 ~ 5 C05-0009-15 Ceramic trimmer — F07-0251-03 Front end chassis — F07-0261-04 Front end chassis	La/	1 200 0202 00		MIII TIPI	F COMPO	NENT		
CRa2 R90-0071-05 Ceramic based multiple components (220Ω + 0.01μF) R90-0096-05 Ceramic based multiple components (330Ω + 0.01μF) MISCELLANEOUS - A10-0304-03 Front end chassis - A40-0096-04 Front end bottom plate VC C01-0170-05 Variable capacitor CTa1 ~ 5 C05-0009-15 Ceramic trimmer - F07-0251-03 Front end chassis - Fort end chassis		D00 0070 05	l					
CRa3 R90-0096-05 Ceramic based multiple components (330Ω + 0.01μF) MISCELLANEOUS — A10-0304-03 Front end chassis — A40-0096-04 Front end bottom plate VC C01-0170-05 Variable capacitor CTa1 ~5 C05-0009-15 Ceramic trimmer — F07-0251-03 Front end cover Front end chassis Front end chassis	I		1					
MISCELLANEOUS		1	l .					
- A10-0304-03 Front end chassis - A40-0096-04 Front end bottom plate VC C01-0170-05 Variable capacitor CTa1 ~ 5 C05-0009-15 Ceramic trimmer - F07-0251-03 Front end cover - F07-0261-04 Front end chassis	CHa3	M90-0090-05	Ceramic Da	·			1	
— A40-0096-04 Front end bottom plate VC C01-0170-05 Variable capacitor CTa1 ~ 5 C05-0009-15 Ceramic trimmer — F07-0251-03 Front end cover — F07-0261-04 Front end chassis					LLANEU			
VC C01-0170-05 Variable capacitor CTa1 ~ 5 C05-0009-15 Ceramic trimmer − F07-0251-03 Front end cover − F07-0261-04 Front end chassis	-							
CTa1 ~ 5	_	· ·						
_ F07-0251-03 Front end cover F07-0261-04 Front end chassis	1		4					
_ F07-0261-04 Front end chassis	CTa1 ~ 5							
For a substitute place	_	i .						
— F10-0081-04								
	_	F 10-0091-04	. Tone ond	piaco				
]							



PRE AMP (X08-1080-10) SECTION

(KR-7200) (KR-6200) (KR-5200)

SCHEMATIC DIAGRAM

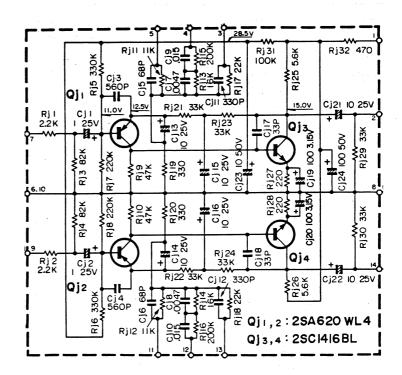
BOTTOM VIEW OF TRANSISTORS

2SC620WL

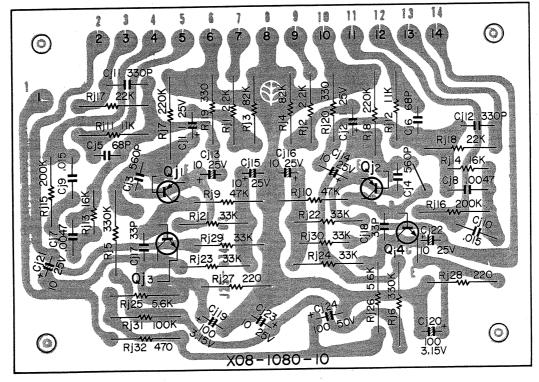


2SC 1416





SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS -



Qj1, 2: 2SA620WL4, Qj3, 4: 2SC1416 BL



PARTS DESCRIPTION LIST-

Ref. No.	Parts No.			Description			Remarks
			CAPACI	TOR			
Cj1, 2	CS04E1E010M	Tantalum	1μF	25WV			
Cj3, 4	CK45D1H561M	Ceramic	560pF	±20%			
Cj5, 6	CC45SL1H680K	Ceramic	68pF	±10%			
Cj7, 8	CQ93M1H472J	Mylar	0.0047μF	±5%			
Cj9, 10	CQ93M1H153J	Mylar	0.015μF	±5%			
Cj11, 12	CK45D1H331M	Ceramic	330pF	±20%			
Cj13~16	CE04W1E100	Electrolytic	10μF	25WV			
Cj17, 18	CC45SL1H330K	Ceramic	33pF	±10%			
Cj17, 10	CE04W0F101	Electrolytic	100μF	3.15WV			
Cj13, 20 Cj21, 22	CE04W1E100	Electrolytic	10μF	25WV			
Cj21, 22 Cj23	CE04W1H100	Electrolytic	10μF	50WV			
Cj23	CE04W1H101	Electrolytic	100μF	50WV			
		I	RESIS	TOR			
D:1 2	PD14BY2E222J	Carbon	2.2kΩ	±5%	1/4W		
Rj1, 2	PD14BY2E823J	Carbon	2.2kΩ	±5%	1/4W		
Rj3, 4	RN92A2H334J	Metal film	330kΩ	±5%	1/4VV 1/2W		
Rj5, 6	RN92A2H334J	Metal film	220kΩ	±5%	1/2W		
Rj7,8	PD14BY2E473J	Carbon	47kΩ	±5%	1/2VV 1/4W		
Rj9, 10		Carbon	47k32 11kΩ	±5%	1/4W		
Rj11, 12	PD14BY2E113J	Metal film	16kΩ	±1%	1/4W		
Rj13, 14	RN92A2E163G		200kΩ	±1% ±5%	1/4VV 1/4W		
Rj15, 16	PD14BY2E204J	Carbon		±5%	1/4W 1/4W		'
Rj17, 18	PD14BY2E223J	Carbon	22kΩ				4
Rj19, 20	PD14BY2E331J	Carbon	330Ω	±5%	1/4W		
Rj21 ~ 24	PD14BY2E333J	Carbon	33kΩ	±5%	1/4W		
Rj25, 26	PD14BY2E562J	Carbon	5.6kΩ	±5%	1/4W		
Rj27, 28	PD14BY2E221J	Carbon	220Ω	±5%	1/4W		
Rj29, 30	PD14BY2E333J	Carbon	33kΩ	±5%	1/4W		
Rj31	PD14BY2E104J	Carbon	100kΩ 470Ω	±5% ±5%	1/4W 1/4W		
Rj32	PD14BY2E471J	Carbon			1/4VV		
	Г	T	SEMICONE	JUCTUR			T .
Qj1, 2	·	2SA620WL4					
Qj3, 4		2SC1416BL					
		*					
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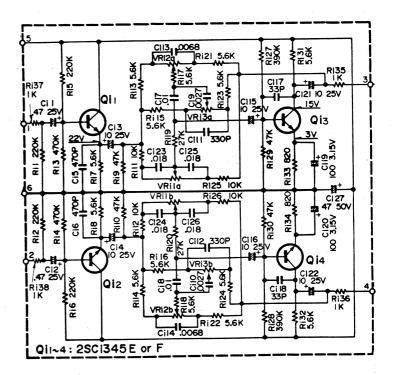
(KR-7200) (KR-6200)

SCHEMATIC DIAGRAM -

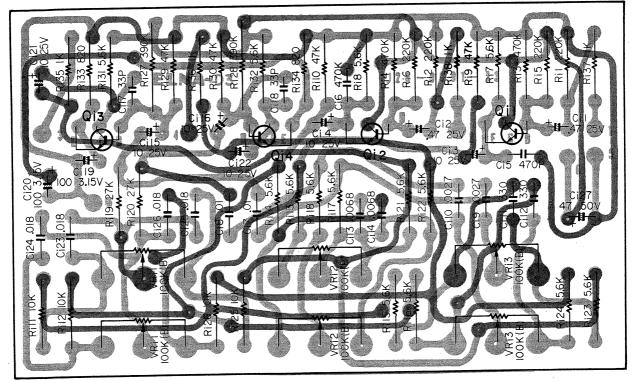
BOTTOM VIEW OF **TRANSISTORS**

2SC 1345





SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS -



Qi1 ~ 4: 2SC1345 (E) or (F)



PARTS DESCRIPTION LIST-

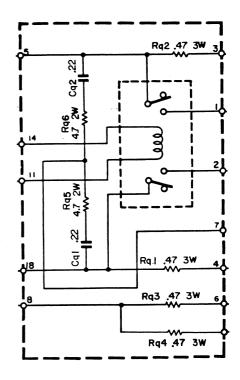
Ref. No.	Parts No.			Descript	ion	Remarks
			CAP	ACITOR		*.
Ci1, 2	CS04D1ER47M	Tantalum	0.47μF	25WV		
Ci3, 4	CE04W1E100		10μF	25WV		
Ci5, 6	CK94YY1H471M	Ceramic	470pF	±20%		
Ci7, 8	CQ93M1H103J	Mylar	0.01μF	±5%		
Ci9, 10	CQ93M1H272J	Mylar	0.0027μF	±5%		
Ci11, 12	CQ08S1H331J	Polystyrene	330pF	±5%		
Ci13, 14	CQ93M1H682J	Mylar	0.0068μF	±5%		
Ci15, 16	CE04W1E100	Electrolytic		25WV		
Ci17, 18	CC94SL1H330K	Ceramic	33pF	±10%		
Ci19, 20	CE04W0F101	Electrolytic	100μF	3.15WV		
Ci21, 22	CE04W1E100	Electrolytic	10μF	25WV		
Ci23 ~ 26	CQ93M1H183J	Mylar	0.018μF	±5%		
Ci27	CE04W1H470	Electrolytic	47μF	50W∨		
	<u></u>		RES	SISTOR		
Ri1, 2	PD14BY2E224J	Carbon	220kΩ	±5%	1/4W	
Ri3, 4	PD14BY2E474J	Carbon	470kΩ	±5%	1/4W	
Ri5, 6	PD14BY2E224J	Carbon	220k Ω	±5%	1/4W	-
Ri7, 8	PD14BY2E562J	Carbon-	5.6kΩ	±5%	1/4W	
Ri9, 10	PD14BY2E473J	Carbon	$47k\Omega$	±5%	1/4W	
Ri11, 12	PD14BY2E103J	Carbon	10k Ω	±5%	1/4W	
Ri13 ~ 18	PD14BY2E562J	Carbon	5.6 k Ω	±5%	1/4W	
Ri19, 20	PD14BY2E273J	Carbon	$27k\Omega$	±5%	1/4W	
Ri21 ~ 24	PD14BY2E562J	Carbon	5.6k Ω	±5%	1/4W	
Ri25, 26	PD14BY2E103J	Carbon	10k Ω	±5%	1/4W	
Ri27, 28	RN92A2H394J	Metal film	390kΩ	±5%	1/2W	
Ri29, 30	PD14BY2E473J	Carbon	$47k\Omega$	±5%	1/4W	
Ri31, 32	PD14BY2E562J	Carbon	5.6 k Ω	±5%	1/4W	
Ri33, 34	PD14BY2E821J	Carbon	820Ω	±5%	1/4W	1
Ri35 ∼ 37	PD14BY2E102J	Carbon	1kΩ	±5%	1/4W	
			SEMICO	NDUCTOR		
Qi1~4		2SC1345 (E)	or (F)			
			POTEN	TIOMETER		
VRi1	R08-5017-05	Potentiomet	er 100kΩ	(B) dual BAS	SS	
VRi2	R08-5017-05	Potentiomet	er 100k Ω	(B) dual TRE	EBLE	
VRi3	R08-5017-05	Potentiomet	er 100kΩ	(B) dual MIE		



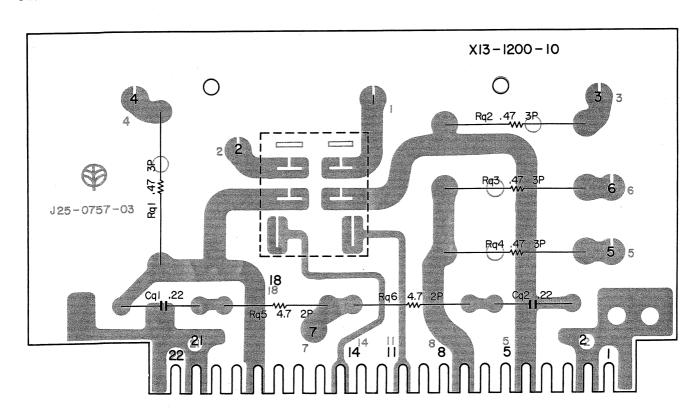
SUB MAIN (X13-1200-10) SECTION

(KR-6200)

SCHEMATIC DIAGRAM



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS





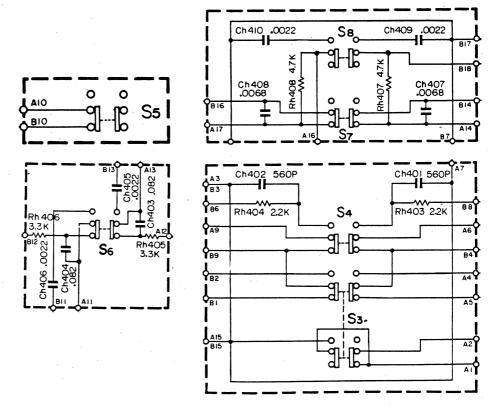
PARTS DESCRIPTION LIST-

Ref. No.	Parts No.	Description	1	Remarks
		CAPACITOR		
Cq1, 2	CQ93M1H224M	Mylar 0.22μF ±20%		
		RESISTOR		
Rq1 ~4	RN14AB3FR47J	Metal film 0.47Ω $\pm 5\%$	3W	
Rq5, 6	RN14AB3D4R7J		2W	
		RELAY		
RLq1	S51-2019-05	Relay (LY-2)		UL
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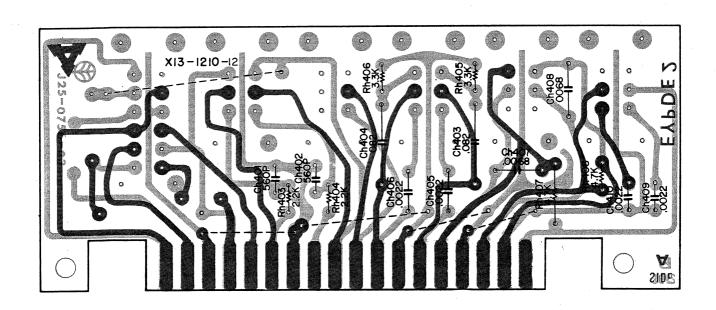
♦ KENWOOD® PUSH SWITCH (X13-1210-12) SECTION

(KR-6200)

SCHEMATIC DIAGRAM



SEALED CIRCUIT ASSEMBLIES PHANTOM VIEWS



♥KENWOOD® PUSH SWITCH (X13-1210-12) SECTION

PARTS DESCRIPTION LIST-

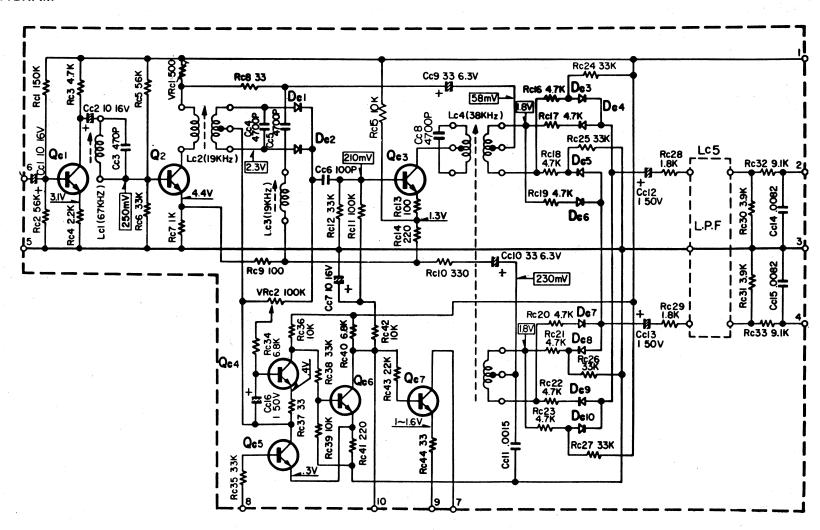
Ref. No.	Parts No.		Des	cription				Remarks
			CAPACITO	R				
Ch401, 402	CK45D1H561M	Ceramic 560pF	±20%					
Ch403, 403	CQ93M1H823K	Mylar 0.082						
Ch405, 406	CQ93M1H222K	Mylar 0.002					-	
	CQ93M1H682K	Mylar 0.0068			-			
Ch407, 408	CQ93M1H222K	Mylar 0.002						
Ch409, 410	CQ93W111222K	1414 121 0.0022	RESISTOR)				
		·						
Rh403, 404	PD14BY2E222J	Carbon 2.2k Ω		1/4W				
Rh405, 406	PD14BY2E332J	Carbon 3.3k Ω		1/4W				
Rh407, 408	PD14BY2E472J	Carbon 4.7kΩ		1/4W				
	2		SWITCH					
S3	S40-6006-05	Six pushbutton	(TAPE-A)			-		
S4	S40-6006-05	Six pushbutton	(TAPE-B)					
S5	S40-6006-05	Six pushbutton	(FM MUTING)					
s6	S40-6006-05	Sixpushbutton	(LOUDNESS)					
S7	S40-6006-05	Six pushbutton	(LO-FIL)					
S8	S40-6006-05	Six pushbutton	(HI-FIL)					
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MPX (X04-1010-10) SECTION

(KR-7200) (KR-6200) (KR-5200)

SCHEMATIC DIAGRAM -

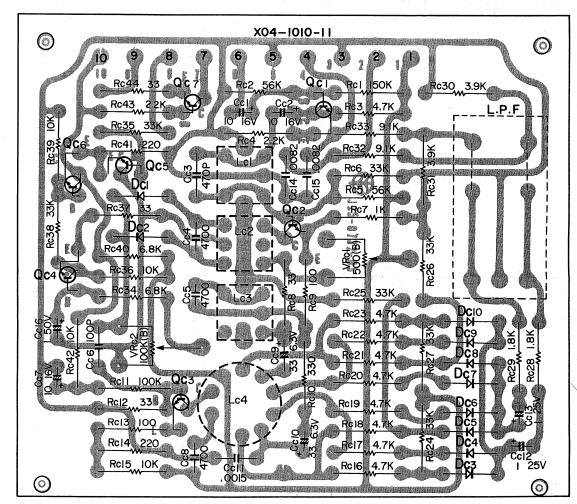


SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS









Qc1 \sim 3: 2SC458 (D), Qc4 \sim 7: 2SC945 (Q), Dc1 \sim 10: 1N60



MPX (X04-1010-10) SECTION

PARTS DESCRIPTION LIST -

Cc1, 2 CE04W1C100 Electrolytic 10 μF 16 WV 15 % 10 μF 16 WV 10 μF 1	Remarks
Cc1, 2 CE04W1C100 Electrolytic 10μF 16WV Cc3 CQ08S2B471J Polystyrene 470pF ±5% Cc4, 5 CQ09S1H472J(X) Polystyrene 470pF ±5% Cc6 CC45SL1H101K Ceramic 100pF ±10% Cc7 CE04W1C100 Electrolytic 10μF 16WV Cc8 CQ09S1H472J(X) Polystyrene 4700pF ±5% Cc9, 10 CE04W0J330 Electrolytic 33μF 6.3WV Cc11 CQ93M1H152J Mylar 0.0015μF ±5% Cc12, 13 CE04W1H010 Electrolytic 1μF 50WV RESISTOR RESISTOR Rec1 PD14BY2E154J Carbon 150kΩ ±5% 1/4W Rc2 PD14BY2E563J Carbon 56kΩ ±5% 1/4W Rc3 PD14BY2E263J Carbon 56kΩ ±5% 1/4W Rc4 PD14BY2E563J Carbon 56kΩ ±5% 1/4	
Cc3 CO08S2B471J Polystyrene 470pF ±5% Cc4, 5 CQ09S1H472J(X) Polystyrene 4700pF ±5% Cc6 CC45SL1H101K Ceramic 100pF ±10% Cc7 CE04W1C100 Electrolytic 10µF 16WV Cc8 CO09S1H472J(X) Polystyrene 4700pF ±5% Cc9, 10 CE04W0J330 Electrolytic 33µF 6.3WV Cc11 CQ93M1H162J Mylar 0.0015µF ±5% Cc12, 13 CE04W1H010 Electrolytic 1µF 50WV RESISTOR RESISTOR RESISTOR Resistance Resistance PD148Y2E164J Carbon 150kΩ ±5% 1/4W Resistance Resistance PD148Y2E164J Carbon 150kΩ ±5% 1/4W Resistance PD148Y2E2563J Carbon 2.2kΩ ±5%	
Cc4, 5 CO09S1H472J(X) Polystyrene 4700pF ±5% Cc6 CC45SL1H101K Ceramic 100pF ±10% Cc7 CE04W1C100 Electrolytic 10µF 16WV Cc8 CC099S1H472J(X) Polystyrene 4700pF ±5% Cc9, 10 CE04W0J330 Electrolytic 33µF 6.3WV Cc11 CQ93M1H152J Mylar 0.0015µF ±5% Cc12, 13 CE04W1H010 Electrolytic 1µF 50WV RESISTOR Re1 PD14BY2E154J Carbon 150kΩ ±5% 1/4W Cc16 CE04W1H010 Electrolytic 1µF 50WV RESISTOR Re2 PD14BY2E164J Carbon 150kΩ ±5% 1/4W Rc2 PD14BY2E563J Carbon 56kΩ ±5% 1/4W Rc3 PD14BY2E263J Carbon 2.2kΩ ±5% 1/4W Rc4 PD14BY2E333J	
Cc6 CC45SL1H101K Ceramic 100pF ±10% Cc7 CE04W1C100 Electrolytic 10µF 16WV Cc8 CQ09S1H472J(X) Polystyrene 4700pF ±5% Cc9, 10 CE04W0J330 Electrolytic 33µF 6.3WV Cc11 CQ93M1H152J Mylar 0.0015µF ±5% Cc12, 13 CE04W1H010 Electrolytic 1µF 50WV Cc14, 15 CQ93M1H822J Mylar 0.0082µF ±5% Cc16 CE04W1H010 Electrolytic 1µF 50WV RESISTOR Re1 PD148Y2E154J Carbon 150kΩ ±5% 1/4W Re2 PD148Y2E563J Carbon 56kΩ ±5% 1/4W Re3 PD148Y2E222J Carbon 2.2kΩ ±5% 1/4W Rc4 PD148Y2E563J Carbon 56kΩ ±5% 1/4W Rc5 PD148Y2E333J Carbon 33kΩ ±5% 1/	
Cc7 CE04W1C100 Electrolytic 10μF 16WV Cc8 CQ09S1H472J(X) Polystyrene 4700pF ±5% Cc9, 10 CE04W0J330 Electrolytic 33μF 6.3WV Cc11 CQ93M1H162J Mylar 0.0015μF ±5% Cc12, 13 CE04W1H010 Electrolytic 1μF 50WV Cc16 CE04W1H010 Electrolytic 1μF 50WV RESISTOR Rec1 PD14BY2E154J Carbon 150kΩ ±5% 1/4W Rc2 PD14BY2E563J Carbon 56kΩ ±5% 1/4W Rc3 PD14BY2E2472J Carbon 4.7kΩ ±5% 1/4W Rc4 PD14BY2E222J Carbon 2.2kΩ ±5% 1/4W Rc5 PD14BY2E333J Carbon 33kΩ ±5% 1/4W Rc6 PD14BY2E302J Carbon 1kΩ ±5% 1/4W Rc9 PD14BY2E30J Carbon 33Ω ±	
Cc8 CQ09S1H472J(X) Polystyrene 4700pF ±5% Cc9, 10 CE04W0J330 Electrolytic 33μF 6.3WV Cc11 CQ93M1H152J Mylar 0.0015μF ±5% Cc12, 13 CE04W1H010 Electrolytic 1μF 50WV RESISTOR RESISTOR Rec16 PD14BY2E154J Carbon 150kΩ ±5% 1/4W Rc2 PD14BY2E563J Carbon 56kΩ ±5% 1/4W Rc3 PD14BY2E472J Carbon 56kΩ ±5% 1/4W Rc4 PD14BY2E563J Carbon 2.2kΩ ±5% 1/4W Rc5 PD14BY2E563J Carbon 56kΩ ±5% 1/4W Rc6 PD14BY2E33J Carbon 33kΩ ±5% 1/4W Rc7 PD14BY2E33J Carbon 1kΩ ±5% 1/4W Rc8 PD14BY2E33J Carbon 33Ω ±5% 1/4W Rc9	
Cc9, 10 CE04W0J330 Electrolytic 33μF 6.3WV Cc11 CQ93M1H152J Mylar 0.0015μF ±5% Cc12, 13 CE04W1H010 Electrolytic 1μF 50WV Cc14, 15 CQ93M1H822J Mylar 0.0082μF ±5% Cc16 CE04W1H010 Electrolytic 1μF 50WV RESISTOR Rec1 PD14BY2E154J Carbon 150kΩ ±5% 1/4W Rc2 PD14BY2E563J Carbon 56kΩ ±5% 1/4W Rc3 PD14BY2E222J Carbon 4.7kΩ ±5% 1/4W Rc4 PD14BY2E563J Carbon 2.2kΩ ±5% 1/4W Rc5 PD14BY2E563J Carbon 33kΩ ±5% 1/4W Rc6 PD14BY2E33J Carbon 33kΩ ±5% 1/4W Rc7 PD14BY2E330J Carbon 33Ω ±5% 1/4W Rc9 PD14BY2E331J Carbon 30Ω <td< td=""><td></td></td<>	
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Rc13 PD14BY2E101J Carbon 100Ω ±5% 1/4W	
RC14 PD1461 2E2213 Carbon 22012 15% 1/44V	
Rc15 PD14BY2E103J Carbon 10kΩ ±5% 1/4W	•
Rc16 \sim 23 PD14BY2E472J Carbon 4.7k Ω ±5% 1/4W	
Rc24 \sim 27 PD14BY2E333J Carbon 33kΩ \pm 5% 1/4W	
Rc28, 29 PD14BY2E182J Carbon 1.8kΩ ±5% 1/4W	
Rc30, 31 PD14BY2E392J Carbon 3.9kΩ ±5% 1/4W	
Rc32, 33 PD14BY2E912J Carbon 9.1kΩ ±5% 1/4W	
Rc34 PD14BY2E682J Carbon 6.8kΩ ±5% 1/4W	The second secon
Rc35 PD14BY2E333J Carbon 33kΩ ±5% 1/4W	
Rc36 PD14BY2E103J Carbon 10kΩ ±5% 1/4W	
Rc37 PD14BY2E330J Carbon 33Ω ±5% 1/4W	
Rc38 PD14BY2E333J Carbon 33kΩ ±5% 1/4W Rc39 PD14BY2E103J Carbon 10kΩ ±5% 1/4W	
Rc39 PD14BY2E103J Carbon 10kΩ ±5% 1/4W Rc40 PD14BY2E682J Carbon 6.8kΩ ±5% 1/4W	
Rc41 PD14BY2E221J Carbon 220Ω ±5% 1/4W	
Rc42 PD14BY2E103J Carbon $10k\Omega$ $\pm 5\%$ $1/4W$	
Rc43 PD14BY2E223J Carbon 22kΩ ±5% 1/4W	
Rc44 PD14BY2E330J Carbon 33Ω ±5% 1/4W	
SEMICONDUCTOR	
Qc1 ~ 3 2SC458 (D)	
Qc4 ~ 7 2SC945 (Q)	
Dc1 ~ 10 1N60	
COIL/FILTER	
Lc1 L35-0050-05 MPX coil	
Lc2 L35-0044-05 MPX coil	
Lc3 L35-0054-05 MPX coil	
Lc4 L35-0053-05 MPX coil	
Lc5 L79-0014-05 Low pass filter	
POTENTIOMETER	·
VRc1 R12-0047-05 pc trimmer 500Ω (B) SEPARATION VRc2 R12-5019-05 pc trimmer 100kΩ (B)	
pe timiner rooks (b)	



♥KENWOOD®

PARTS DESCRIPTION LIST -

Ref. No.	Parts No.		Description	on	Re mar
		CAPACITO)R		· ·
Cb1~3	CK45F1H103Z	Ceramic	0.01μF	+80%, -20%	
Cb4	CQ93M1H103K	Mylar	$0.01 \mu F$	±10%	
Cb5∼16	CK45F1H103Z	Ceramic	0.01μF	+80%, -20%	
Cb17, 18	CC45SL1H101K	Ceramic	100pF	±10%	
Cb19, 20	CC45SL1H221K	Ceramic	220pF	±10%	1
Cb21	CE04W1E100	Electrolytic	10μF	25WV	
Cb22	CK45F1H103Z	Ceramic	$0.01 \mu F$	+80%, -20%	
Cb23	CC45SL1H100D	Ceramic	10pF	±0.5pF	
Cb24, 25	CC45SL1H331K	Ceramic	330pF	±10%	1
Cb26	CC45SL1H100D	Ceramic	10pF	±0.5pF	
Cb27~30	CK45F1H103Z	Ceramic	0.01µF	+80%, -20%	
Cb32	CC45SL1H100D	Ceramic	10pF	±0.5pF	
Cb33, 34	CK45F1H103Z	Ceramic	$0.01 \mu F$	+80%,20%	1
Cb35	CC45SL1H100D	Ceramic	10pF	±0.5pF	
Cb36	CK45F1H103Z	Ceramic	$0.01 \mu F$	+80%, -20%	
Cb37	CE04W1H010	Electrolytic	1μF	50WV	
Cb38	CK45F1H103Z	Ceramic	0.01µF	+80%, -20%	
Cb39	CE04W1H3R3	Electrolytic	3.3μF	50WV	
Cb40	CK45F1H103Z	Ceramic	0.01μF	+80%,20%	
Cb51	CK45F1H223Z	Ceramic	0.022μF	+80%, -20%	
Cb52	CQ93M1H103K	Mylar	0.01μF	±10%	
Cb54	CC45SL1H030C	Ceramic	3ρF	±0.25pF	
Cb54 Cb55	CE04W1E100	Electrolytic	3ρΓ 10μF	25WV	
	CE04W1E100 CK45F1H223Z	Ceramic	•	+80%, —20%	
Cb56, 57			0.022μF 3.3E	·	
Cb58	CE04W1H3R3	Electrolytic	3.3μF	50WV	
Cb59~61	CK45F1H223Z	Ceramic	0.022μF	+80%, -20%	l
Cb62	CQ93M1H103K	Mylar	0.01μF	±10%	
Cb64~67	CK45F1H223Z	Ceramic	0.022μF	+80%, -20%	
Cb68, 69	CK45F1H473Z	Ceramic	0.047µF	+80%, -20%	
Cb70	CM93D1H102J(Z)	Mica	1000pF	±5%	
Cb71	CE04W1H3R3	Electrolytic	$3.3 \mu F$	50W∨	
Cb72	CK45F1H223Z	Ceramic	$0.022 \mu F$	+80%, -20%	
Cb74, 75	CQ93M1H103K	Mylar	0.01μF	±10%	esers advant .
Cb76	CE04W1H3R3	Electrolytic	3.3µF	50WV	l
		RESISTO	R		
Rb1	PD14BY2B102J	Carbon	1kΩ	±5% 1/8W	\top
Rb2	PD14BY2B222J	Carbon	2.2 k Ω	±5% 1/8W	1
Rb3	PD14BY2B102J	Carbon	1kΩ	±5% 1/8W	1
Rb4~6	PD14BY2B561J	Carbon	560Ω	±5% 1/8W	
Rb7	PD14BY2B221J	Carbon	220Ω	±5% 1/8W	
Rb8	PD14BY2B102J	Carbon	1kΩ	±5% 1/8W	
Rb9, 10	PD14BY2B561J	Carbon	560Ω	±5% 1/8W	1
Rb11	PD14BY2B222J		2.2kΩ	±5% 1/8W	
		Carbon			
Rb12	PD14BY2B220J	Carbon	22Ω	±5% 1/8W	
Rb13	PD14BY2B152J	Carbon	1.5kΩ	±5% 1/8W	
Rb14	PD14BY2B332J	Carbon	3.3 k Ω	±5% 1/8W	
Rb15	PD14BY2B102J	Carbon	1kΩ	±5% 1/8W	
Rb16	PD14BY2B330J	Carbon	33Ω	±5% 1/8W	
Rb17	PD14BY2B222J	Carbon	$2.2k\Omega$	±5% 1/8W	
Rb18	PD14BY2B221J	Carbon	220Ω	±5% 1/8W	1
	DD 4 4D (400000)	Carbon	22Ω	±5% 1/8W	}
Rb19	PD14BY2B220J			±5% 1/8W	
Rb19 Rb20	PD14BY2B220J PD14BY2B472J	Carbon	4.7 k Ω	1/OVV	- 1
		Carbon Carbon	4.7kΩ 10kΩ	±5% 1/8W	- 1
Rb20 Rb21	PD14BY2B472J PD14BY2B103J	Carbon	10 kΩ	±5% 1/8W	
Rb20 Rb21 Rb22	PD14BY2B472J PD14BY2B103J PD14BY2B102J	Carbon Carbon	10kΩ 1kΩ	±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J	Carbon Carbon Carbon	10kΩ 1kΩ 22Ω	±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J	Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J	Carbon Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J	Carbon Carbon Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J PD14BY2B222J	Carbon Carbon Carbon Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ 2.2kΩ	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J	Carbon Carbon Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J PD14BY2B222J	Carbon Carbon Carbon Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ 2.2kΩ	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J PD14BY2B222J PD14BY2B471J	Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ 2.2kΩ 470Ω	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J PD14BY2B222J PD14BY2B471J PD14BY2B104J	Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ 2.2kΩ 470Ω 100kΩ	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J PD14BY2B471J PD14BY2B104J PD14BY2B682J	Carbon	$10 \mathrm{k}\Omega$ $1 \mathrm{k}\Omega$ 22Ω $1.8 \mathrm{k}\Omega$ $2.2 \mathrm{k}\Omega$ $6.8 \mathrm{k}\Omega$ $2.2 \mathrm{k}\Omega$ 470Ω $100 \mathrm{k}\Omega$ $6.8 \mathrm{k}\Omega$	±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32 Rb33 Rb34	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J PD14BY2B471J PD14BY2B104J PD14BY2B682J PD14BY2B682J PD14BY2B471J	Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ 2.2kΩ 470Ω 100kΩ 6.8kΩ 470Ω 470Ω	±5% 1/8W ±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32 Rb33 Rb34 Rb36	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B222J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B473J PD14BY2B473J PD14BY2B561J	Carbon	10kΩ 1kΩ 22Ω 1.8kΩ 2.2kΩ 6.8kΩ 2.2kΩ 470Ω 100kΩ 6.8kΩ 470Ω 47kΩ 560Ω	±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32 Rb33 Rb34 Rb36 Rb37	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B282J PD14BY2B682J PD14BY2B682J PD14BY2B471J PD14BY2B682J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B473J PD14BY2B561J PD14BY2B562J	Carbon	$10k\Omega$ $1k\Omega$ 22Ω $1.8k\Omega$ $2.2k\Omega$ $6.8k\Omega$ $2.2k\Omega$ 470Ω $100k\Omega$ $6.8k\Omega$ 470Ω $47k\Omega$ 560Ω $5.6k\Omega$	±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32 Rb33 Rb34 Rb36 Rb37 Rb38	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B222J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B471J PD14BY2B471J PD14BY2B471J PD14BY2B473J PD14BY2B561J PD14BY2B562J PD14BY2B221J	Carbon	$10k\Omega$ $1k\Omega$ 22Ω $1.8k\Omega$ $2.2k\Omega$ $6.8k\Omega$ $2.2k\Omega$ 470Ω $100k\Omega$ $6.8k\Omega$ 470Ω $47k\Omega$ 560Ω $5.6k\Omega$ 220Ω	±5% 1/8W	3
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32 Rb33 Rb34 Rb36 Rb37 Rb38 Rb39	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B682J PD14BY2B682J PD14BY2B471J PD14BY2B682J PD14BY2B682J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B561J PD14BY2B562J PD14BY2B562J PD14BY2B562J	Carbon	$10k\Omega$ $1k\Omega$ 22Ω $1.8k\Omega$ $2.2k\Omega$ $6.8k\Omega$ $2.2k\Omega$ 470Ω $100k\Omega$ $6.8k\Omega$ 470Ω $47k\Omega$ 560Ω $5.6k\Omega$ 220Ω $5.6k\Omega$	±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32 Rb33 Rb34 Rb36 Rb37 Rb38 Rb39 Rb40	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B222J PD14BY2B682J PD14BY2B471J PD14BY2B682J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B471J PD14BY2B561J PD14BY2B562J PD14BY2B562J PD14BY2B562J PD14BY2B562J PD14BY2B562J	Carbon	$10k\Omega$ $1k\Omega$ 22Ω $1.8k\Omega$ $2.2k\Omega$ $6.8k\Omega$ $2.2k\Omega$ 470Ω $100k\Omega$ $6.8k\Omega$ 470Ω $47k\Omega$ 560Ω $5.6k\Omega$ 220Ω $5.6k\Omega$	±5% 1/8W	
Rb20 Rb21 Rb22 Rb23 Rb24 Rb25 Rb26 Rb27, 28 Rb29 Rb30 Rb31, 32 Rb33 Rb34 Rb36 Rb37 Rb38 Rb39	PD14BY2B472J PD14BY2B103J PD14BY2B102J PD14BY2B220J PD14BY2B182J PD14BY2B682J PD14BY2B682J PD14BY2B471J PD14BY2B682J PD14BY2B682J PD14BY2B682J PD14BY2B471J PD14BY2B471J PD14BY2B561J PD14BY2B562J PD14BY2B562J PD14BY2B562J	Carbon	$10k\Omega$ $1k\Omega$ 22Ω $1.8k\Omega$ $2.2k\Omega$ $6.8k\Omega$ $2.2k\Omega$ 470Ω $100k\Omega$ $6.8k\Omega$ 470Ω $47k\Omega$ 560Ω $5.6k\Omega$ 220Ω $5.6k\Omega$	±5% 1/8W	

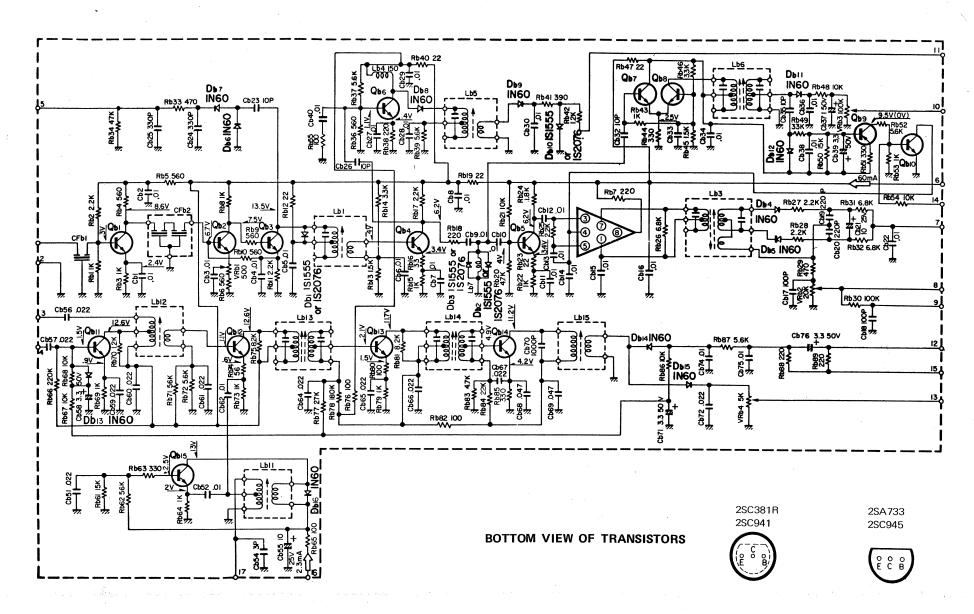
Ref. No.	Parts No.		Descript	ion		Re mar
Rb43	PD14BY2B102J	Carbon	1kΩ	±5%	1/8W	1
Rb44	PD14BY2B331J	Carbon	330Ω	±5%	1/8W	
Rb45	PD14BY2B152J	Carbon	1.5kΩ	±5%	1/8W	
Rb46	PD14BY2B332J	Carbon	3.3kΩ	±5%	1/8W	
Rb47	PD14BY2B220J	Carbon	22Ω	±5%	1/8W	
Rb48	PD14BY2B103J	Carbon	10kΩ	±5%	1/8W	1
Rb49	PD14BY2B333J	Carbon	33kΩ	±5%	1/8W	1
Rb50	PD14BY2B153J	Carbon	15kΩ	±5%	1/8W	
Rb51	PD14BY2B331J	Carbon	330Ω	±5%	1/8W	
Rb52	PD14BY2B562J	Carbon	5.6kΩ	±5%	1/8W	
l	PD14BY2B102J	Carbon	1kΩ	±5%	1/8W	1
Rb53	PD14BY2B102J	Carbon	10kΩ	±5%	1/8W	
Rb54	PD14BY2B103J	Carbon	100Ω	±5%	1/8W	
Rb55		Carbon	15kΩ	±5%	1/8W	1
Rb61	PD14BY2B153J	'	56kΩ	±5%	1/8W	1
Rb62	PD14BY2B563J	Carbon		±5%	1/8W	
Rb63	PD14BY2B331J	Carbon	330Ω		1/8W	1
Rb64	PD14BY2B102J	Carbon	1kΩ	±5%		
Rb65	PD14BY2B101J	Carbon	100Ω	±5%	1/8W	1
Rb66	PD14BY2B224J	Carbon	220k Ω	±5%	1/8W	-
Rb67, 68	PD14BY2B103J	Carbon	10kΩ	±5%	1/8W	
Rb69	PD14BY2B102J	Carbon	1kΩ	±5%	1/8W	
Rb70	PD14BY2B122J	Carbon	1.2kΩ	±5%	1/8W	
Rb71	PD14BY2B563J	Carbon	56 k Ω	±5%	1/8W	
Rb72	PD14BY2B562J	Carbon	5.6k Ω	±5%	1/8W	
Rb73	PD14BY2B102J	Carbon	1kΩ	±5%	1/8W	
Rb74	P.D14BY2B560J	Carbon	56Ω	±5%	1/8W	
Rb75	PD14BY2B822J	Carbon	8.2 k Ω	±5%	1/8W	
Rb76	PD14BY2B101J	Carbon	100Ω	±5%	1/8W	-
Rb77	PD14BY2B273J	Carbon	$27k\Omega$	±5%	1/8W	
Rb78	PD14BY2B184J	Carbon	180k Ω	±5%	1/8W	1
Rb79	PD14BY2B102J	Carbon	1 k Ω	±5%	1/8W	
Rb80	PD14BY2B101J	Carbon	100Ω	±5%	1/8W	
Rb80	PD14BY2B822J	Carbon	8.2kΩ	±5%	1/8W	ŀ
Rb82	PD14BY2B101J	Carbon	100Ω	±5%	1/8W	
Rb83	PD14BY2B472J	Carbon	4.7kΩ	±5%	1/8W	
Rb84	PD14BY2B223J	Carbon	22kΩ	±5%	1/8W	1 1
Rb85	PD14BY2B331J	Carbon	330Ω	±5%	1/8W	
	PD14BY2B3313	Carbon	33032 10kΩ	±5%	1/8W	
Rb86	PD14BY2B103J PD14BY2B562J	Carbon	5.6kΩ	±5%	1/8W	
Rb87 Rb88, 89	PD14BY2B221J	Carbon	220Ω	±5%	1/8W	
11000,00		SEMICOND	JCTOR			
Qb1~5		2SC381 (O)				T
Qb6~8		2SC381 (R)				1
		2SA733 (Q)	or (R)			- 1
Qb9		2SC945 (Q)				1
Qb10		250945 (Q)	or (H)			- 1
01.11		20000441401				
Qb11		2SC941 (O)				
Qb12		2SC941 (R)				
Qb12 Qb13		2SC941 (R) 2SC941 (O)				
Qb12 Qb13 Qb14, 15		2SC941 (R) 2SC941 (O) 2SC941 (R)				
Qb12 Qb13 Qb14, 15 Db1~3		2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 1	S2076			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9		2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 1S				
Qb12 Qb13 Qb14, 15 Db1~3		2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S				
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9		2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 1S				
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10		2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B)	S2076			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16		2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15	S2076			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16	L30-0243-05	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B)	S2076			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1	L30-0243-05 L30-0207-15	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B)	S2076			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1	}	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B) TRANS./	COIL ATOR coil			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3	L30-0207-15	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B) TRANS./	COIL ATOR coil			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4	L30-0207-15 L33-0098-05	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil	COIL ATOR coil or (150μΗ)			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5	L30-0207-15 L33-0098-05 L30-0246-05	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil	COIL ATOR coil or (150μΗ)			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil	COIL ATOR coil or (150μΗ)			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil Ferri-inductor	COIL ATOR coil or (150μΗ)			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05	2SC941 (R) 2SC941 (O) 2SC941 (R) 1S1555 or 15 1N60 1S1555 or 15 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inducto Meter coil Trigger coil Ferri-inducto AM-OSC coi	COIL ATOR coil or (150μΗ)			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11 Lb12	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05 L31-0111-05	2SC941 (R) 2SC941 (Q) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inducto Meter coil Trigger coil Ferri-inducto AM-OSC coil	COIL ATOR coil or (150μΗ)			
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11 Lb12 Lb13, 14	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05 L31-0111-05 L30-0245-05	2SC941 (R) 2SC941 (Q) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil Ferri-inductor AM-OSC coil AM-RF coil AM-IFT	COIL ATOR coil or (150μH) or (150μH)	LTER		
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11 Lb12 Lb13, 14 Lb15	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05 L31-0111-05 L30-0245-05 L30-0052-05	2SC941 (R) 2SC941 (Q) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil Ferri-inductor AM-OSC coil AM-RF coil AM-IFT AM-IFT	COIL ATOR coil or (150μΗ) or (150μΗ)	LTER BIAS		
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11 Lb12 Lb13, 14 Lb15	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05 L31-0111-05 L30-0245-05 L30-0052-05	2SC941 (R) 2SC941 (Q) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil Ferri-inductor AM-OSC coil AM-RF coil AM-IFT AM-IFT POTENTIC	COIL ATOR coil or (150μH) or (150μH) I METER/FI 500Ω (B)	BIAS		
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11 Lb12 Lb13, 14 Lb15 VRb1 VRb2	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05 L31-0111-05 L30-0245-05 L30-0052-05	2SC941 (R) 2SC941 (Q) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil Ferri-inductor AM-OSC coil AM-RF coil AM-IFT AM-IFT POTENTIC	COIL ATOR coil or (150μH) I METER/FI 500Ω (B) 20kΩ (B)	BIAS FM-OUT		
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11 Lb12 Lb13, 14 Lb15 VRb1 VRb2 VRb3	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05 L31-0111-05 L30-0245-05 L30-0052-05 R12-0047-05 R12-3014-05 R12-5019-05	2SC941 (R) 2SC941 (Q) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil Ferri-inductor AM-OSC coil AM-IFT AM-IFT POTENTIC pc trimmer pc trimmer	COIL ATOR coil or (150μH) I METER/FI 500Ω (B) 20kΩ (B) 100kΩ (B)	BIAS FM-OUT BEACON	- R	
Qb12 Qb13 Qb14, 15 Db1~3 Db4~9 Db10 Db11~16 ICb1 Lb1 Lb3 Lb4 Lb5 Lb6 Lb7 Lb11 Lb12 Lb13, 14 Lb15 VRb1 VRb2	L30-0207-15 L33-0098-05 L30-0246-05 L30-0244-05 L33-0098-05 L32-0090-05 L31-0111-05 L30-0245-05 L30-0052-05	2SC941 (R) 2SC941 (Q) 2SC941 (R) 1S1555 or 1S 1N60 1S1555 or 1S 1N60 CS5995 (B) TRANS./ FM-IFT DISCRIMIN Ferri-inductor Meter coil Trigger coil Ferri-inductor AM-OSC coil AM-RF coil AM-IFT AM-IFT POTENTIC	COIL ATOR coil or (150μH) I METER/FI 500Ω (B) 20kΩ (B) 100kΩ (B) 5kΩ (B)	BIAS FM-OUT BEACON	ER.	



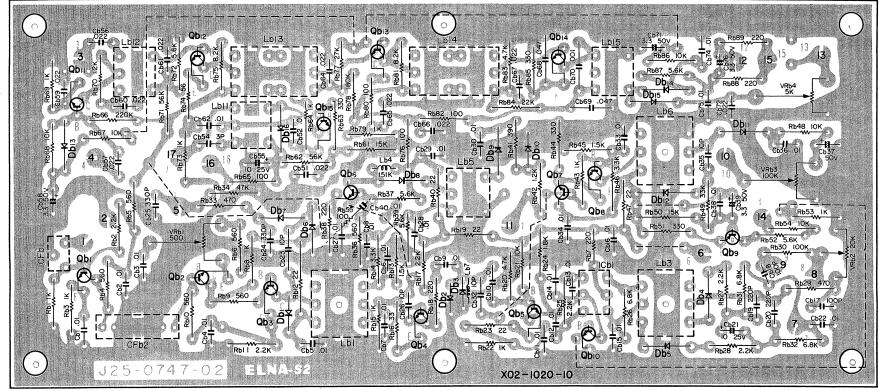
AM&FM-IF (X02-1020-10) SECTION

(KR-7200) (KR-6200) (KR-5200) (KT-6005)

SCHEMATIC DIAGRAM

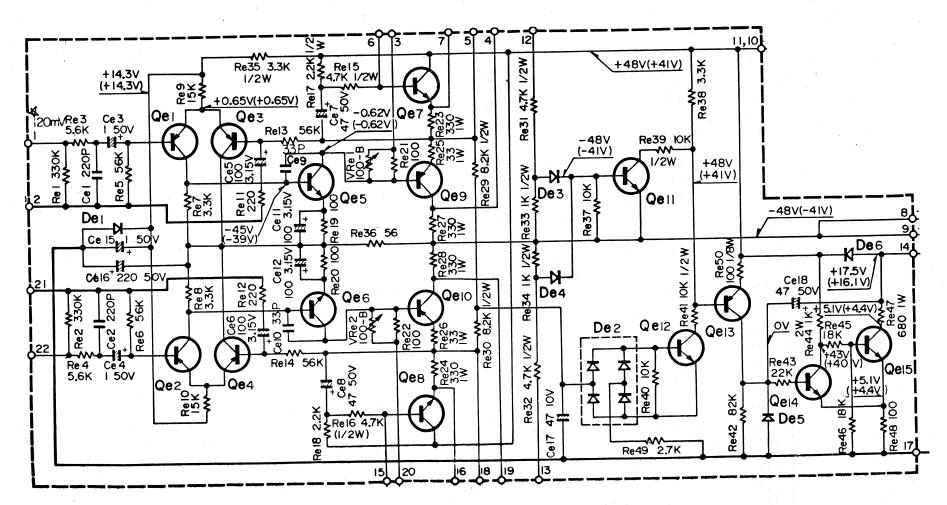


SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS -

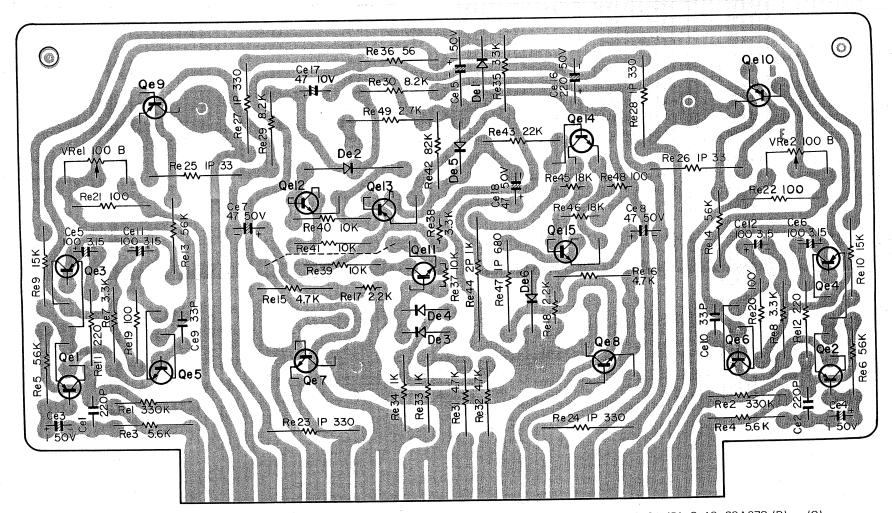


 $Qb1 \sim 5$: 2SC381 (O), $Qb6 \sim 8$: 2SC381 (R), Qb9: 2SA733 (Q) or (R), Qb10: 2SC945 (Q) or (R), Qb11, 13: 2SC941 (O), Qb12, 14 15: 2SC941 (R), Qb11, 2, 3, 10: 1S1555 or 1S2076, $Db4 \sim 9$, 11 \sim 16: 1N60, 1Cb1: CS5995 (B)

SCHEMATIC DIAGRAM



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS -



Qe1 ~ 4: 2SA620WL5, Qe5, 6: 2SC983 (Y), Qe7, 8: 2SC1161, Qe9, 10: 2SA653, Qe11: 2SC983 (R), Qe12: 2SC1213A (B), Qe13: 2SA673 (B) or (C), Qe14, 15: 2SC1213A (B) or (C), De1: YZ-140, De2: S1RB-10, De3, 4: 1S1555, De5, 6: V0-6B

BOTTOM VIEW OF

2SA620WL

2SA673 2SC983 2SC1213A

2SA653 2SC1161

TRANSISTOR





PARTS DESCRIPTION LIST -

	Parts No.			Description			Remarks
			CAPAC	CITOR			L
Co1 2	CC4581 1H221K	Caramia		±10%		•	T
Ce1, 2	CC45SL1H221K	Ceramic	220pF				
Ce3, 4	CE04W1H010	Electrolytic	1μF	50WV			
Ce5, 6	CE04W0F101	Electrolytic	100μF	3.15WV			
Ce7, 8	CE04W1H470	Electrolytic	47μF	50WV			,
Ce9, 10	CC45SL1H330K	Ceramic	33pF	±10%			
Ce11, 12	CE04W0F101	Electrolytic	100μF	3.15WV			
Ce15	CE04W1H010	Electrolytic	1μF	50W∨			
Ce16	CE04W1H221	Electrolytic	1μF	50W∨			
Ce17	CE04W1A470(NP)	Electrolytic	47μ F	10W∨			
Ce18	CE04W1H470	Electrolytic	47μF	50W∨			
0010	ozo.w.m.		RESIS				
							<u> </u>
Re1, 2	PD14BY2E334J	Carbon	330 k Ω	±5%	1/4W		
Re3, 4	PD14BY2E562J	Carbon	5.6k Ω	±5%	1/4W		
Re5, 6	PD14BY2E563J	Carbon	56k Ω	±5%	1/4W		
Re7, 8	PD14BY2E332J	Carbon	3.3 k Ω	±5%	1/4W		`
Re9, 10	PD14BY2E153J	Carbon	15k Ω	±5%	1/4W		
Re11, 12	PD14BY2E221J	Carbon	220Ω	±5%	1/4W		
Re13, 14	PD14BY2E563J	Carbon	56kΩ	±5%	1/4W		
	l .			±10%	1/2W		
Re15, 16	RC05GF2H472K	Carbon	4.7kΩ				
Re17, 18	RC05GF2H222K	Carbon	2.2kΩ	±10%	1/2W		
Re19 ~ 22	PD14BY2E101J	Carbon	100Ω	±5%	1/4W		
Re23, 24	RN14AB3A331K	Metal film	330Ω	±10%	1W		
Re25, 26	RN14AB3A330K	Metal film	33Ω	±10%	1W		
Re27, 28	RN14AB3A331K	Metal film	330Ω	±10%	1W		
Re29, 30	RC05GF2H822K	Carbon	8.2kΩ	±10%	1/2W		
Re31, 32	RC05GF2H472K	Carbon	4.7kΩ	±10%	1/2W		
	l						
Re33 34	RC05GF2H102K	Carbon	1kΩ	±10%	1/2W		
Re35	RC05GF2H332K	Carbon	3.3 k Ω	±10%	1/2W		
Re36	PD14BY2E560J	Carbon	56Ω	±5%	1/4W		
Re37	PD14CY2E103J	Carbon	10k Ω	±5%	1/4W		
Re38	PD14CY2E332J	Carbon	$3.3 k\Omega$	±5%	1/4W		
Re39	RC05GF2H103K	Carbon	10kΩ	±10%	1/2W		
Re40	PD14BY2E103J		10kΩ	±5%			1
		Carbon	Sample Copy (Section Communication pro-	and the street and the contract of the street of the stree	1/4W	transmission of a sign of the contract of	
Re41	RC05GF2H103K	Carbon	10kΩ	±10%	1/2W		
Re42	PD14BY2E823J	Carbon	82kΩ	±5%	1/4W		
Re43	PD14BY2E223J	Carbon	$22k\Omega$	±5%	1/4W		
Re44.	RN14AB3D102K	Metal film	1kΩ	±10%	2W		
Re45, 46	PD14CY2E183J	Carbon	18kΩ	±5%	1/4W		
Re47	RN14AB3A681K	Metal film	680Ω	±10%	1W		
Re48	PD14CY2E101J	Carbon	100Ω	±5%	1/4W		
Re49	PD14BY2E272J	Carbon	2.7kΩ	±5%	1/4W	.9	
Re50	PD14BY2B101J	Carbon	100Ω	±5%	1/8W		1
	· · · · · · · · · · · · · · · · · · ·	•	SEMICON	IDUCTOR		* .	· -
Qe1 ~4		2SA620WL5					
Qe5, 6	.'	2SC983 (Y)					
Qe7,8		2SC1161					
Qe9, 10		2SA653					
	1						1
Qe11		2SC983 (R)	\				
Qe11 Qe12		2SC1213A (B)					
Qe11 Qe12 Qe13		2SC1213A (B) 2SA673 (B) or	r (C)				
Qe11 Qe12 Qe13		2SC1213A (B)	r (C)				
Qe11 Qe12 Qe13		2SC1213A (B) 2SA673 (B) or	r (C)				
Qe11 Qe12 Qe13 Qe14, 15 De1		2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140	r (C)				
Qe11 Qe12 Qe13 Qe14, 15 De1		2SC1213A (B) 2SA673 (B) of 2SC1213A (B) YZ-140 S1RB-10	r (C)				
Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4		2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555	r (C)				
Qe11 Qe12 Qe13 Qe14, 15 De1		2SC1213A (B) 2SA673 (B) of 2SC1213A (B) YZ-140 S1RB-10	r (C)) or (C)				
Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4 De5, 6		2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555 V0-6B	(C) or (C) POTENT	IOMETER			
Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4	R12-0048-05	2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555	(C) or (C) POTENT				
Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4 De5, 6	R12-0048-05	2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555 V0-6B	(C) or (C) POTENT				
Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4 De5, 6	R12-0048-05	2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555 V0-6B	(C) or (C) POTENT				
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Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4 De5, 6	R12-0048-05	2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555 V0-6B	(C) or (C) POTENT				
Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4 De5, 6	R12-0048-05	2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555 V0-6B	(C) or (C) POTENT				
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Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4 De5, 6	R12-0048-05	2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555 V0-6B	(C) or (C) POTENT				
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Qe11 Qe12 Qe13 Qe14, 15 De1 De2 De3, 4 De5, 6	R12-0048-05	2SC1213A (B) 2SA673 (B) or 2SC1213A (B) YZ-140 S1RB-10 1S1555 V0-6B	(C) or (C) POTENT				